

APR 0 4 2017

Chad Hare, General Manager The Water Works & Sewer Board of the City of Gadsden Post Office Box 800 Gadsden, AL 35901

RE: Draft Permit

NPDES Permit No. AL0053201 Gadsden West River WWTP Etowah County, Alabama

Dear Mr. Hare:

Transmitted herein is a draft of the referenced permit.

We would appreciate your comments on the permit within 30 days of the date of this letter. Please direct any comments of a technical or administrative nature to the undersigned.

By copy of this letter and the draft permit, we are also requesting comments within the same time frame from EPA.

Please be aware that Part I.C.1.c of your permit requires that you apply for participation in the Department's web-based electronic environmental (E2) reporting system for submittal of DMRs immediately upon issuance of this permit unless valid justification as to why you cannot participate is submitted in writing. After issuance of the permit, hard copy DMRs may be used only with the written approval from the Department. The E2 Program allows ADEM to electronically validate, acknowledge receipt, and upload data to the state's central wastewater database. This improves the accuracy of reported compliance data and reduces costs to both the regulated community and ADEM. The Permittee Participation Package may be downloaded online at https://e2.adem.alabama.gov/npdes or you may obtain a hard copy by submitting a written request or by emailing e2admin@adem.alabama.gov.

The Alabama Department of Environmental Management encourages you to voluntarily consider pollution prevention practices and alternatives at your facility. Pollution Prevention may assist you in complying with effluent limitations, and possibly reduce or eliminate monitoring requirements.

Should you have any questions, please contact the undersigned by email at dastokes@adem.alabama.gov or by phone at (334) 271-7808.

Sincerely,

Dustin Stokes Municipal Section Water Division

Enclosure

cc: Environmental Protection Agency Email

Ms. Elaine Snyder/U.S. Fish and Wildlife Service Ms. Elizabeth Brown/Alabama Historical Commission

Advisory Council on Historic Preservation

Department of Conservation and Natural Resources





NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

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THE WATER WORKS & SEWER BOARD OF THE CITY OF GADSDEN

POST OFFICE BOX 800

GADSDEN, ALABAMA 35902

FACILITY LOCATION:

GADSDEN WEST RIVER WWTP

(11.32 MGD)

2000 WILLS CREEK ROAD GADSDEN, ALABAMA ETOWAH COUNTY

PERMIT NUMBER:

AL0053201

RECEIVING WATERS:

COOSA RIVER (NEELY HENRY LAKE) BIG WILLS CREEK (STORM WATER ONLY)

In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. \$\int\text{\$1}\text{21}-1388\$ (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, Code of Alabama 1975, \$\int\text{\$2}\text{22-21}\$ to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended, Code of Alabama 1975, \$\int\text{\$2}\text{22-22A-1}\$ to 22-22A-17, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.

ISSUANCE DATE:
EFFECTIVE DATE:
EXPIRATION DATE:

MUNICIPAL SECTION NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT

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ATTACHMENT:

FORM 421

NON-COMPLIANCE NOTIFICATION FORM

PART I

DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

Outfall 0011 Discharge Limits

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from Outfall 0011, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

Outlan 6011, which is des				harge Limitatio]	Monitoring Re		
Parameter	Monthly Average	Weekly Average	Monthly Average	Weekly Average	<u>Daily</u> <u>Minimum</u>	<u>Daily</u> <u>Maximum</u>	Percent Removal	(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
Oxygen, Dissolved (DO)	*****	*****	****	****	3.0	****	****	E	GRAB	D	****
00300 1 0 0					mg/l						1
pH 00400 1 0 0	****	****	****	****	6.0 S.U.	8,5 S.U.	****	E	GRAB	D	****
Solids, Total Suspended	REPORT	REPORT	REPORT	REPORT	****	*****	****	I	COMP24	D	****
00530 G 0 0	lbs/day	lbs/day	mg/l	mg/t				1			
Solids, Total Suspended	2832	4248	30.0	45.0	*****	*****	****	Ē	COMP24	D	****
00530 1 0 0	lbs/day	lbs/day	mg/l	mg/l							
Nitrogen, Ammonia Total (As N)	1888	2832	20.0	30.0	*****	*****	*****	E	COMP24	D	****
00610 1 0 0	lbs/day	lbs/day	mg/l	mg/l							
Nitrogen, Kjeldahl Total (As N)	2832	4248	30.0	45.0	****	****	****	E	COMP24	D	*****
00625 1 0 0	lbs/day	lbs/day	mg/l	mg/l							1
Nitrite Plus Nitrate Total 1 Det. (As N)	REPORT	REPORT	REPORT	REPORT	****	****	****	Е	COMP24	G	****
00630 1 0 0	lbs/day	lbs/day	mg/l	mg/l						-	
Phosphorus, Total (As P)	REPORT	REPORT	1.0	REPORT	****	****	****	E	COMP24	G	S
00665 1 0 0	lbs/day	lbs/day	mg/l	mg/l							
Phosphorus, Total (As P)	REPORT	REPORT	REPORT	REPORT	****	*****	****	E	COMP24	G	w
00665 1 0 0	lbs/day	lbs/day	mg/l	mg/l							
Flow, In Conduit or Thru Treatment Plant	REPORT	*****	****	*****	*****	REPORT	****	E	CONTIN	A	*****
50050 1 0 0	MGD					MGD					
Chlorine, Total Residual See note (5)	*****	*****	0.775	****	****	1.0	****	E	GRAB	D	*****
50060 1 0 0			mg/l			mg/l					
E. Coli	****	****	126	****	****	298	****	E	GRAB	D	ECS
51040 1 0 0			col/100mL			col/100mL					
E. Coli	*****	*****	548	****	****	2507	****	Е	GRAB	D	ECW
51040 1 0 0			col/100mL			col/100mL					i
BOD, Carbonaceous 05 Day, 20C	REPORT	REPORT	REPORT	REPORT	****	****	****	I	COMP24	D	****
80082 G 0 0	lbs/day	lbs/day	mg/l	mg/l							
BOD, Carbonaceous 05 Day, 20C	1888	2832	20.0	30.0	****	*****	*****	E	COMP24	D	****
80082 1 0 0	lbs/day	lbs/day	mg/l	mg/l							
BOD, Carb-5 Day, 20 Deg C, Percent Remvl 80091 K 0 0	*****	*****	*****	*****	****	*****	85.0%	K	CALCTD	G	*****
Solids, Suspended Percent Removal 81011 K 0 0	****	*****	*****	****	****	****	85.0%	K	CALCTD	G	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I – Influent E – Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous INSTAN - Instantaneous

COMP-8 - 8-Hour Composite COMP24 - 24-Hour Composite

GRAB – Grab CALCTD - Calculated (3) Measurement Frequency: See also Part 1.B.2.

A - 7 days per week
B - 5 days per week
C - 3 days per week
H - 1 day per quarter

D - 2 days per week J E - 1 day per week C

J - Annual
Q - For Effluent Toxicity
Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April – October)

W = Winter (November - March)

ECS = E. coli Summer (May – October)

ECW = E. coli Winter (November – April)

ECW = E. coll Winter (November – A

⁽⁵⁾ See Part IV.C. for Total Residual Chlorine (TRC). Monitoring for TRC is applicable if chlorine is utilized for disinfection purposes. If monitoring is not applicable during the monitoring period, enter "*9" or "NODI=9" (if hard copy) on the monthly DMR.

2. Outfall 001Q Discharge Limits - Quarterly
This is an administrative outfall designation. Outfall 001Q is the same physical outfall as Outfall 0011. Discharge from this outfall shall be limited and monitored by
the Permittee as specified below:

•			Discha	rge Limitations*	(5) (6)				Monitoring Re	equirements**	
Parameter	Monthly Average	Weekly Average	Monthly Average	Weekly Average	<u>Daily</u> Minimum	<u>Daily</u> <u>Maximum</u>	Percent Removal	(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
Perfluorooctanoic Acid	REPORT	REPORT	REPORT	REPORT	*****	****	*****	E	GRAB	H	*****
51521 1 0 0	lbs/day	lbs/day	ng/l	ng/l							
Perfluorobutanoic Acid	REPORT	REPORT	REPORT	REPORT	****	*****	*****	E	GRAB	Н	*****
51522 1 0 0	lbs/day	lbs/day	ng/l	ng/l							
Perfluorooctanesulfonamide	REPORT	REPORT	REPORT	REPORT	*****	****	*****	E	GRAB	Н	*****
51525 1 0 0	lbs/day	lbs/day	ng/l	ng/l							
Perfluorooctane Sulfonate	REPORT	REPORT	REPORT	REPORT	*****	****	*****	Е	GRAB	Н	****
51526 1 0 0	lbs/day	lbs/day	ng/l	ng/l							
Perfluoropentanoic Acid	REPORT	REPORT	REPORT	REPORT	****	*****	*****	E	GRAB	Н	*****
51623 1 0 0	lbs/day	lbs/day	ng/l	ng/l			1				
Perfluorohexanoic Acid	REPORT	REPORT	REPORT	REPORT	*****	*****	****	E	GRAB	Н	*****
51624 1 0 0	lbs/day	lbs/day	ng/l	ng/l			1	1			
Perfluoroheptanoic Acid	REPORT	REPORT	REPORT	REPORT	*****	****	*****	E	GRAB	Н	*****
51625 1 0 0	lbs/day	lbs/day	ng/l	ng/l	1						
Perfluorononanoic Acid	REPORT	REPORT	REPORT	REPORT	*****	****	*****	E	GRAB	Н	*****
51626 1 0 0	lbs/day	lbs/day	ng/l	ng/l							
Perfluorodecannoic Acid	REPORT	REPORT	REPORT	REPORT	*****	****	****	E	GRAB	Н	*****
51627 1 0 0	lbs/day	lbs/day	ng/l	ng/l							
Perfluoroundecanoic Acid	REPORT	REPORT	REPORT	REPORT	****	*****	*****	E	GRAB	Н	*****
51628 1 0 0	lbs/day	lbs/day	ng/l	ng/l				1			
Perfluorododecanoic Acid	REPORT	REPORT	REPORT	REPORT	*****	****	*****	E	GRAB	Н	*****
51629 1 0 0	lbs/day	lbs/day	ng/l	ng/l							
Perfluorotridecanoic Acid	REPORT	REPORT	REPORT	REPORT	*****	****	*****	E	GRAB	Н	*****
51630 1 0 0	lbs/day	lbs/day	ng/l	ng/l							
Perfluorotetradecanoic Acid	REPORT	REPORT	REPORT	REPORT	*****	*****	*****	E	GRAB	H	****
51631 1 0 0	lbs/day	lbs/day	ng/l	ng/l							
Perfluorobutane Sulfonate	REPORT	REPORT	REPORT	REPORT	*****	*****	*****	E	GRAB	Н	*****
51632 1 0 0	lbs/day	lbs/day_	ng/l	ng/l							
Perfluorohexane Sulfonate	REPORT	REPORT	REPORT	REPORT	*****	*****	*****	E	GRAB	Н	*****
51633 1 0 0	lbs/day	lbs/day	ng/l	ng/l							
Perfluorodecane Sulfonate	REPORT	REPORT	REPORT	REPORT	*****	*****	*****	E	GRAB	Н	*****
51635 1 0 0	lbs/day	lbs/day	ng/l	ng/l	1						

* See Part II.C.I. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I – Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous

INSTAN - Instantaneous

CALCTD - Calculated

COMP-8 - 8-Hour Composite

COMP24 - 24-Hour Composite GRAB – Grab

D - 2 days per week E - 1 day per week

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week

F - 2 days per month

B - 5 days per week
C - 3 days per week
H - 1 day per quarter

J - Annual

Q - For Effluent Toxicity Testing, see Provision IV.B. (4) Seasonal Limits:

S = Summer (April – October) W = Winter (November - March)

ECS = E. coli Summer (May - October)

 $ECW = \underline{E. coli} \text{ Winter (November - April)}$

- (5) The Permittee shall use EPA approved methods with the lowest detection levels or an equivalent method that has been approved by the Department.
- (6) If only one sampling event occurs during a monitoring period, the sample result shall be reported on the DMRs as both the monthly and weekly average.

3. Outfall 001T Discharge Limits - Toxicity

This is an administrative outfall designation. Outfall 001T is the same physical outfall as Outfall 0011. Discharge from this outfall shall be limited and monitored by the Permittee as specified below:

			Disc	charge Limitatio	ns*				Monitoring Re	equirements**	
<u>Parameter</u>	Monthly Average	Weekly Average	Monthly Average	Weekly Average	<u>Daily</u> <u>Minimum</u>	<u>Daily</u> <u>Maximum</u>	Percent Removal	(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
Toxicity, Ceriodaphnia Chronic 61426 1 0 0	****	Pass = 0 Fail = 1	****	****	****	****	****	Ē	COMP24	Q	****
Toxicity, Pimephales Chronic 61428 1 0 0	****	Pass = 0 Fail = 1	****	****	****	****	****	Е	COMP24	Q	****

^{*} See Part II.C.1. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I - Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous

INSTAN - Instantaneous COMP-8 - 8-Hour Composite COMP24 - 24-Hour Composite

GRAB - Grab

CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week F - 2 days per month B - 5 days per week G - 1 day per month

C - 3 days per week H - 1 day per quarter D - 2 days per week J - Annual

E - 1 day per week Q - For Effluent Toxicity

Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April – October)

W = Winter (November - March) ECS = E. coli Summer (May - October)

ECW = E. coli Winter (November – April)

4. Outfalls 002S & 003S Discharge Limits - Storm water

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from Outfalls 002S & 003S, which are described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

			Disc	harge Limitatio	ns*				Monitoring Re	equirements**	
<u>Parameter</u>	Monthly Average	Weekly Average	Monthly Average	Weekly Average	<u>Daily</u> <u>Minimum</u>	<u>Daily</u> <u>Maximum</u>	Percent Removal	(1) Sample Location	(2) (5) Sample Type	(3) Measurement Frequency	(4) Seasonal
pH 00400 1 0 0	****	*****	*****	****	REPORT S.U.	REPORT S.U.	*****	E	GRAB	J	****
Solids, Total Suspended	*****	****	*****	****	3.0.	REPORT	*****	E	GRAB	Y	*****
00530 1 0 0						mg/l			GRAB	,	
Oil & Grease 00556 1 0 0	****	****	****	****	*****	15.0 mg/l	****	Е	GRAB	J	****
Nitrogen, Ammonia Total (As N) 00610 1 0 0	****	****	*****	****	****	REPORT mg/l	****	Е	GRAB	J	*****
Nitrogen, Kjeldahl Total (As N) 00625 I 0 0	****	*****	****	****	****	REPORT mg/l	****	E	GRAB	J	*****
Nitrite Plus Nitrate Total 1 Det. (As N) 00630 1 0 0	*****	****	*****	****	*****	REPORT mg/l	****	Е	GRAB	J	****
Phosphorus, Total (As P) 00665 1 0 0	****	****	*****	****	*****	REPORT mg/l	****	Е	GRAB	J	****
Flow, In Conduit or Thru Treatment Plant 50050 0 0	****	****	****	****	****	REPORT MGD	****	Е	CALCTD	J	****
E. Coli 51040 1 0 0	****	****	****	****	****	REPORT col/100mL	****	Е	GRAB	J	*****
BOD, Carbonaceous 05 Day, 20C 80082 1 0 0	****	****	****	****	****	REPORT mg/l	****	E	GRAB	J	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I – Influent E – Effluent

X – End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous INSTAN - Instantaneous

COMP-8 - 8-Hour Composite COMP24 - 24-Hour Composite

GRAB -- Grab

CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week F - 2 days per month B - 5 days per week G - 1 day per month

B - 5 days per week G - 1 day per month C - 3 days per week H - 1 day per quarter

D - 2 days per week J - Annual E - 1 day per week Q - For Eff

Q - For Effluent Toxicity Testing, see Provision IV.B. (4) Seasonal Limits:

S = Summer (April - October)

W = Winter (November - March)

ECS = $\underline{E. coli}$ Summer (May – October) ECW = $\underline{E. coli}$ Winter (November – April)

(5) See Part IV.F.3 for storm water monitoring requirements.

B. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

Representative Sampling

Sample collection and measurement actions shall be representative of the volume and nature of the monitored discharge and shall be in accordance with the provisions of this permit. The effluent sampling point shall be at the nearest accessible location just prior to discharge and after final treatment, unless otherwise specified in the permit.

2. Measurement Frequency

Measurement frequency requirements found in Provision I.A. shall mean:

- Seven days per week shall mean daily.
- Five days per week shall mean any five days of discharge during a calendar weekly period of Sunday through Saturday.
- c. Three days per week shall mean any three days of discharge during a calendar week.
- d. Two days per week shall mean any two days of discharge during a calendar week.
- e. One day per week shall mean any day of discharge during a calendar week.
- f. Two days per month shall mean any two days of discharge during the month that are no less than seven days apart. However, if discharges occur only during one seven-day period in a month, then two days per month shall mean any two days of discharge during that seven day period.
- g. One day per month shall mean any day of discharge during the calendar month.
- h. Quarterly shall mean any day of discharge during each calendar quarter.
- i. The Permittee may increase the frequency of sampling, listed in Provisions I.B.2.a through I.B.2.h; however, all sampling results are to be reported to the Department.

Test Procedures

For the purpose of reporting and compliance, Permittees shall use one of the following procedures:

- a. For parameters with an EPA established Minimum Level (ML), report the measured value if the analytical result is at or above the ML and report "0" for values below the ML. Test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 and guidelines published pursuant to Section 304(h) of the FWPCA, 33 U.S.C. Section 1314(h). If more than one method for analysis of a substance is approved for use, a method having a minimum level lower than the permit limit shall be used. If the minimum level of all methods is higher than the permit limit, the method having the lowest minimum level shall be used and a report of less than the minimum level shall be reported as zero and will constitute compliance, however should EPA approve a method with a lower minimum level during the term of this permit the Permittee shall use the newly approved method.
- b. For pollutants parameters without an established ML, an interim ML may be utilized. The interim ML shall be calculated as 3.18 times the Method Detection Level (MDL) calculated pursuant to 40 CFR Part 136, Appendix B.
 - Permittees may develop an effluent matrix-specific ML, where an effluent matrix prevents attainment of the established ML. However, a matrix specific ML shall be based upon proper laboratory method and technique. Matrix-specific MLs must be approved by the Department, and may be developed by the Permittee during permit issuance, reissuance, modification, or during compliance schedule.
 - In either case the measured value should be reported if the analytical result is at or above the ML and "0" reported for values below the ML.
- c. For parameters without an EPA established ML, interim ML, or matrix-specific ML, a report of less than the detection limit shall constitute compliance if the detection limit of all analytical methods is higher than the permit limit. For the purpose of calculating a monthly average, "0" shall be used for values reported less than the detection limit.

The Minimum Level utilized for procedures a and b above shall be reported on the Permittee's DMR. When an EPA approved test procedure for analysis of a pollutant does not exist, the Director shall approve the procedure to be used.

4. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the Permittee shall record the following information:

The facility name and location, point source number, date, time and exact place of sampling;

- b. The name(s) of person(s) who obtained the samples or measurements;
- c. The dates and times the analyses were performed;
- d. The name(s) of the person(s) who performed the analyses;
- e. The analytical techniques or methods used, including source of method and method number; and
- f. The results of all required analyses.

5. Records Retention and Production

- a. The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the above reports or the application for this permit, for a period of at least three years from the date of the sample measurement, report or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director or his designee, the Permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records should not be submitted unless requested.
- b. All records required to be kept for a period of three years shall be kept at the permitted facility or an alternate location approved by the Department in writing and shall be available for inspection.
- 6. Reduction, Suspension or Termination of Monitoring and/or Reporting
 - a. The Director may, with respect to any point source identified in Provision I.A. of this permit, authorize the Permittee to reduce, suspend or terminate the monitoring and/or reporting required by this permit upon the submission of a written request for such reduction, suspension or termination by the Permittee, supported by sufficient data which demonstrates to the satisfaction of the Director that the discharge from such point source will continuously meet the discharge limitations specified in Provision I.A. of this permit.
 - b. It remains the responsibility of the Permittee to comply with the monitoring and reporting requirements of this permit until written authorization to reduce, suspend or terminate such monitoring and/or reporting is received by the Permittee from the Director.
- 7. Monitoring Equipment and Instrumentation

All equipment and instrumentation used to determine compliance with the requirements of this permit shall be installed, maintained, and calibrated in accordance with the manufacturer's instructions or, in the absence of manufacturer's instructions, in accordance with accepted practices. At a minimum, flow measurement devices shall be calibrated at least once every 12 months.

C. DISCHARGE REPORTING REQUIREMENTS

- 1. Reporting of Monitoring Requirements
 - a. The Permittee shall conduct the required monitoring in accordance with the following schedule:
 - (1) MONITORING REQUIRED MORE FREQUENTLY THAN MONTHLY AND MONTHLY shall be conducted during the first full month following the effective date of coverage under this permit and every month thereafter.
 - (2) QUARTERLY MONITORING shall be conducted at least once during each calendar quarter. Calendar quarters are the periods of January through March, April through June, July through September, and October through December. The Permittee shall conduct the quarterly monitoring during the first complete calendar quarter following the effective date of this permit and is then required to monitor once during each quarter thereafter. Quarterly monitoring should be reported on the last DMR due for the quarter (i.e., March, June, September and December DMRs).
 - (3) SEMIANNUAL MONITORING shall be conducted at least once during the period of January through June and at least once during the period of July through December. The Permittee shall conduct the semiannual monitoring during the first complete calendar semiannual period following the effective date of this permit and is then required to monitor once during each semiannual period thereafter. Semiannual monitoring may be done anytime during the semiannual period, unless restricted elsewhere in this permit, but it should be reported on the last DMR due for the month of the semiannual period (i.e., June and December DMRs).
 - (4) **ANNUAL MONITORING** shall be conducted at least once during the period of January through December. The Permittee shall conduct the annual monitoring during the first complete calendar annual period following the effective date of this permit and is then required to monitor once during each annual period thereafter.

- Annual monitoring may be done anytime during the year, unless restricted elsewhere in this permit, but it should be reported on the December DMR.
- b. The Permittee shall submit discharge monitoring reports (DMRs) on the forms approved by the Department and in accordance with the following schedule:
 - (1) **REPORTS OF MORE FREQUENTLY THAN MONTHLY AND MONTHLY TESTING** shall be submitted on a monthly basis. The first report is due on the 28th day of the month following the month the permit becomes effective. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period, unless otherwise directed by the Department.
 - (2) **REPORTS OF QUARTERLY TESTING** shall be submitted on a quarterly basis. The first report is due on the 28th day of the month following the month the permit becomes effective. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period, unless otherwise directed by the Department.
 - (3) **REPORTS OF SEMIANNUAL TESTING** shall be submitted on a semiannual basis. The reports are due on the 28th day of JANUARY and the 28th day of JULY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period, unless otherwise directed by the Department.
 - (4) **REPORTS OF ANNUAL TESTING** shall be submitted on an annual basis. Unless specified elsewhere in the permit, the first report is due on the 28th day of JANUARY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period, unless otherwise directed by the Department.
- c. Except as allowed by Provision I.C.1.c.(1) or (2), the permittee shall submit all Discharge Monitoring Reports (DMRs) required by Provision I.C.1.b. by utilizing the Department's web-based Electronic Environmental (E2) Reporting System.
 - (1) If the permittee is unable to complete the electronic submittal of DMR data due to technical problems originating with the Department's E2 Reporting System (this could include entry/submittal issues with an entire set of DMRs or individual parameters), the permittee is not relieved of their obligation to submit DMR data to the Department by the date specified in Provision I.C.1.b., unless otherwise directed by the Department.
 - If the E2 Reporting System is down on the 28th day of the month in which the DMR is due or is down for an extended period of time, as determined by the Department, when a DMR is required to be submitted, the permittee may submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include faxing, e-mailing, mailing, or hand-delivery of data such that they are received by the required reporting date. Within five calendar days of the E2 Reporting System resuming operation, the permittee shall enter the data into the E2 Reporting System, unless an alternate timeframe is approved by the Department. An attachment should be included with the E2 DMR submittal verifying the original submittal date (date of the fax, copy of dated e-mail, or hand-delivery stamped date), if applicable.
 - (2) The permittee may submit a request to the Department for a temporary electronic reporting waiver for DMR submittals. The waiver request should include the permit number; permittee name; facility/site name; facility address; name, address, and contact information for the responsible official or duly authorized representative; a detailed statement regarding the basis for requesting such a waiver; and the duration for which the waiver is requested. Approved electronic reporting waivers are not transferrable.
 - A permittee with an approved electronic reporting waiver for DMRs may submit hard copy DMRs for the period that the approved electronic reporting waiver request is effective. The permittee shall submit the Department-approved DMR forms to the address listed in Provision I.C.1.e.
 - (3) If a permittee is allowed to submit a hard copy DMR, the DMR must be legible and bear an original signature. Photo and electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this permit.
 - (4) If the permittee, using approved analytical methods as specified in Provision 1.B.2, monitors any discharge from a point source for a limited substance identified in Provision I.A. of this permit more frequently than required by this permit, the results of such monitoring shall be included in the calculation and reporting of values on the DMR and the increased frequency shall be indicated on the DMR.
 - (5) In the event no discharge from a point source identified in Provision I.A. of this permit and described more fully in the permittee's application occurs during a monitoring period, the permittee shall report "No Discharge" for such period on the appropriate DMR.
- d. All reports and forms required to be submitted by this permit, the AWPCA and the Department's Rules and Regulations, shall be electronically signed (or, if allowed by the Department, traditionally signed) by a "responsible

official" of the permittee as defined in ADEM Administrative Code Rule 335-6-6-.09 or a "duly authorized representative" of such official as defined in ADEM Administrative Code Rule 335-6-6-.09 and shall bear the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

e. Discharge Monitoring Reports required by this permit, the AWPCA, and the Department's Rules that are being submitted in hard copy shall be addressed to:

> Alabama Department of Environmental Management Environmental Data Section, Permits & Services Division Post Office Box 301463 Montgomery, Alabama 36130-1463

Certified and Registered Mail containing Discharge Monitoring Reports shall be addressed to:

Alabama Department of Environmental Management Environmental Data Section, Permits & Services Division 1400 Coliseum Boulevard Montgomery, Alabama 36110-2400

f. All other correspondence and reports required to be submitted by this permit, the AWPCA, and the Department's Rules shall be addressed to:

> Alabama Department of Environmental Management Municipal Section, Water Division Post Office Box 301463 Montgomery, Alabama 36130-1463

Certified and Registered Mail shall be addressed to:

Alabama Department of Environmental Management Municipal Section, Water Division 1400 Coliseum Boulevard Montgomery, Alabama 36110-2400

- g. If this permit is a reissuance, then the permittee shall continue to submit DMRs in accordance with the requirements of their previous permit until such time as DMRs are due as discussed in Part I.C.1.b. above.
- 2. Noncompliance Notification
 - a. The Permittee must notify the Department if, for any reason, the Permittee's discharge:
 - (1) Does not comply with any daily minimum or maximum discharge limitation for an effluent characteristic specified in Provision I. A. of this permit which is denoted by an "(X)"
 - (2) Potentially threatens human health or welfare,
 - (3) Threatens fish or aquatic life
 - (4) Causes an in-stream water quality criterion to be exceeded;
 - (5) Does not comply with an applicable toxic pollutant effluent standard or prohibition established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a);
 - (6) Contains a quantity of a hazardous substance that may be harmful to public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. Section 1321(b)(4);
 - (7) Exceeds any discharge limitation for an effluent parameter listed in Part I.A as a result of an unanticipated bypass or upset; or
 - (8) Is an unpermitted direct or indirect discharge of a pollutant to a water of the state (Note that unpermitted discharges properly reported to the Department under any other requirement are not required to be reported under this provision)

The Permittee shall orally or electronically report any of the above occurrences, describing the circumstances and potential effects, to the Department within 24-hours after the Permittee becomes aware of the occurrence of such discharge. In addition to the oral or electronic report, the Permittee shall submit a written report to the Director or Designee, as provided in Provision I.C.2.c,no later than five days after becoming aware of the occurrence of such discharge or occurrence.

- b. If for any reason, the Permittee's discharge does not comply with any limitation of this permit, then the Permittee must submit a written report to the Director or Designee, as provided in Provision I.C.2.c below. This report must be submitted with the next Discharge Monitoring Report required to be submitted by Provision I.C.1 of this permit after becoming aware of the occurrence of such noncompliance.
- c. Form 421 must be submitted to the Director or Designee in accordance with Provisions I.C.2a. or b. The completed form must document the following information:
 - (1) A description of the discharge and cause of noncompliance;
 - (2) The period of noncompliance, including exact dates, times, and duration of the noncompliance. If not corrected by the due date of the written report, then the Permittee is to state the anticipated timeframe that is expected to transpire before the noncompliance is resolved; and
 - (3) A description of the steps taken by the Permittee and the steps planned to be taken by the Permittee to reduce or eliminate the noncompliant discharge, including all steps taken to prevent recurrence.

Immediate notification

The permittee shall provide notification to the Director, the public, the county health department, and any other affected entity such as public water systems, as soon as possible upon becoming aware of any notifiable sanitary sewer overflow. The Permittee shall also report notification of the noncompliance event to any other affected entity such as the public.

- e. The Permittee shall keep an updated record of all known wastewater discharge points that are not authorized as permitted outfalls, including but not limited to SSOs. The Permittee shall submit annual Municipal Water Pollution Prevention Plan (MWPP) reports to the Department each year by May 31st for the prior calendar year period beginning January 1st and ending December 31st. The Annual MWPP Reports shall contain a list of all known wastewater discharge points that are not authorized as permitted outfalls and any discharges that occur prior to the headworks of the wastewater treatment plant covered by this permit. The MWPP shall also provide a list of any discharges reported in accordance with Provision I.C.2.a. The Permittee shall submit with its Annual MWPP Report the following information for each known unpermitted discharge that occurs:
 - (1) The cause of the discharge;
 - (2) Date, duration and volume of discharge (estimate if unknown);
 - (3) Description of the source (e.g., manhole, lift station);
 - (4) Location of the discharge, by street address or any other appropriate method;
 - (5) The ultimate destination of the flow (e.g., surface waterbody, municipal separate storm sewer to surface waterbody). Location should be shown on a USGS quad sheet or copy thereof; and
 - (6) Corrective actions or plans to eliminate future discharges.
- f. The Permittee shall report SSO and other illicit or anomalous discharge events on Form 415 in accordance with Part I.C.2.a. This form is available on the ADEM web page or upon request from the Permittee.

D. OTHER REPORTING AND NOTIFICATION REQUIREMENTS

1. Anticipated Noncompliance

The Permittee shall give the Director written advance notice of any planned changes or other circumstances regarding a facility which may result in noncompliance with permit requirements.

2. Termination of Discharge

The Permittee shall notify the Director, in writing, when all discharges from any point source(s) identified in Provision I. A. of this permit have permanently ceased. This notification shall serve as sufficient cause for instituting procedures for modification or termination of the permit.

3. Updating Information

a. The Permittee shall inform the Director of any change in the Permittee's mailing address or telephone number or in the Permittee's designation of a facility contact or office having the authority and responsibility to prevent and abate violations of the AWPCA, the Department's Rules and the terms and conditions of this permit, in writing, no later

- than ten (10) days after such change. Upon request of the Director or his designee, the Permittee shall furnish the Director with an update of any information provided in the permit application.
- b. If the Permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information with a written explanation for the mistake and/or omission.

4. Duty to Provide Information

The Permittee shall furnish to the Director, within a reasonable time, any information which the Director or his designee may request to determine whether cause exists for modifying, revoking and re-issuing, suspending, or terminating this permit, in whole or in part, or to determine compliance with this permit.

E. SCHEDULE OF COMPLIANCE

1. Compliance with discharge limits

The Permittee shall achieve compliance with the discharge limitations specified in Provision I. A. in accordance with the following schedule:

COMPLIANCE SHALL BE ATTAINED ON THE EFFECTIVE DATE OF THIS PERMIT

2. Schedule

No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

PART II OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. OPERATIONAL AND MANAGEMENT REQUIREMENTS

1. Facilities Operation and Maintenance

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities only when necessary to achieve compliance with the conditions of the permit.

Best Management Practices (BMP)

- a. Dilution water shall not be added to achieve compliance with discharge limitations except when the Director or his designee has granted prior written authorization for dilution to meet water quality requirements.
- b. The Permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 C.F.R. Section 112 if required thereby.
- c. The Permittee shall prepare, submit for approval and implement a BMP Plan for containment of any or all process liquids or solids, in a manner such that these materials do not present a significant potential for discharge, if so required by the Director or his designee. When submitted and approved, the BMP Plan shall become a part of this permit and all requirements of the BMP Plan shall become requirements of this permit.

3. Certified Operator

The Permittee shall not operate any wastewater treatment plant unless the competency of the operator to operate such plant has been duly certified by the Director pursuant to AWPCA, and meets the requirements specified in ADEM Administrative Code, Rule 335-10-1.

B. OTHER RESPONSIBILITIES

1. Duty to Mitigate Adverse Impacts

The Permittee shall promptly take all reasonable steps to mitigate and minimize or prevent any adverse impact on human health or the environment resulting from noncompliance with any discharge limitation specified in Provision I. A. of this permit, including such accelerated or additional monitoring of the discharge and/or the receiving waterbody as necessary to determine the nature and impact of the noncomplying discharge.

2. Right of Entry and Inspection

The Permittee shall allow the Director, or an authorized representative, upon the presentation of proper credentials and other documents as may be required by law to:

- (1) Enter upon the Permittee's premises where a regulated facility or activity or point source is located or conducted, or where records must be kept under the conditions of the permit;
- (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permits;
- (3) Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the permit; and
- (4) Sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the AWPCA, any substances or parameters at any location.

C. BYPASS AND UPSET

I. Bypass

- a. Any bypass is prohibited except as provided in b. and c. below:
- b. A bypass is not prohibited if:
 - (1) It does not cause any discharge limitation specified in Provision I. A. of this permit to be exceeded;
 - (2) It enters the same receiving stream as the permitted outfall; and
 - (3) It is necessary for essential maintenance of a treatment or control facility or system to assure efficient operation of such facility or system.
- c. A bypass is not prohibited and need not meet the discharge limitations specified in Provision I. A. of this permit if:
 - (1) It is unavoidable to prevent loss of life, personal injury, or severe property damage;

- (2) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime (this condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance);
- (3) The Permittee submits a written request for authorization to bypass to the Director at least ten (10) days prior to the anticipated bypass (if possible), the Permittee is granted such authorization, and the Permittee complies with any conditions imposed by the Director to minimize any adverse impact on human health or the environment resulting from the bypass.
- d. The Permittee has the burden of establishing that each of the conditions of Provision II. C. 1. b. or c. have been met to qualify for an exception to the general prohibition against bypassing contained in a. and an exemption, where applicable, from the discharge limitations specified in Provision I. A. of this permit.

2. Upset

- a. A discharge which results from an upset need not meet the discharge limitations specified in Provision I. A. of this permit if:
 - (1) No later than 24-hours after becoming aware of the occurrence of the upset, the Permittee orally reports the occurrence and circumstances of the upset to the Director or his designee; and
 - (2) No later than five (5) days after becoming aware of the occurrence of the upset, the Permittee furnishes the Director with evidence, including properly signed, contemporaneous operating logs, or other relevant evidence, demonstrating that:
 - (i) An upset occurred;
 - (ii) The Permittee can identify the specific cause(s) of the upset;
 - (iii) The Permittee's facility was being properly operated at the time of the upset; and
 - (iv) The Permittee promptly took all reasonable steps to minimize any adverse impact on human health or the environment resulting from the upset.
- b. The Permittee has the burden of establishing that each of the conditions of Provision II C. 2. a. of this permit have been met to qualify for an exemption from the discharge limitations specified in Provision I. A. of this permit.

D. DUTY TO COMPLY WITH PERMIT, RULES, AND STATUTES

1. Duty to Comply

- a. The Permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the AWPCA and the FWPCA and is grounds for enforcement action, for permit termination, revocation and reissuance, suspension, modification, or denial of a permit renewal application.
- b. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of the permit shall not be a defense for a Permittee in an enforcement action.
- c. The discharge of a pollutant from a source not specifically identified in the permit application for this permit and not specifically included in the description of an outfall in this permit is not authorized and shall constitute noncompliance with this permit.
- d. The Permittee shall take all reasonable steps, including cessation of production or other activities, to minimize or prevent any violation of this permit or to minimize or prevent any adverse impact of any permit violation.
- e. Nothing in this permit shall be construed to preclude or negate the Permittee's responsibility to apply for, obtain, or comply with other Federal, State, or Local Government permits, certifications, or licenses or to preclude from obtaining other federal, state, or local approvals, including those applicable to other ADEM programs and regulations.

2. Removed Substances

Solids, sludges, filter backwash, or any other pollutant or other waste removed in the course of treatment or control of wastewaters shall be disposed of in a manner that complies with all applicable Department Rules.

3. Loss or Failure of Treatment Facilities

Upon the loss or failure of any treatment facilities, including but not limited to the loss or failure of the primary source of power of the treatment facility, the Permittee shall, where necessary to maintain compliance with the discharge limitations specified in Provision I. A. of this permit, or any other terms or conditions of this permit, cease, reduce, or otherwise control production and/or all discharges until treatment is restored. If control of discharge during loss or failure of the

primary source of power is to be accomplished by means of alternate power sources, standby generators, or retention of inadequately treated effluent, the Permittee must furnish to the Director within six months a certification that such control mechanisms have been installed.

4. Compliance With Statutes and Rules

- a. This permit has been issued under ADEM Administrative Code, Chapter 335-6-6. All provisions of this chapter, that are applicable to this permit, are hereby made a part of this permit. A copy of this chapter may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Boulevard Montgomery, Alabama 36110-2059.
- b. This permit does not authorize the noncompliance with or violation of any Laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws. FWPCA, 33 U.S.C. Section 1319, and Code of Alabama 1975, Section 22-22-14.

E. PERMIT TRANSFER, MODIFICATION, SUSPENSION, REVOCATION, AND REISSUANCE

- 1. Duty to Reapply or Notify of Intent to Cease Discharge
 - a. If the Permittee intends to continue to discharge beyond the expiration date of this permit, the Permittee shall file a complete permit application for reissuance of this permit at least 180 days prior to its expiration. If the Permittee does not intend to continue discharge beyond the expiration of this permit, the Permittee shall submit written notification of this intent which shall be signed by an individual meeting the signatory requirements for a permit application as set forth in ADEM Administrative Code Rule 335-6-6-.09.
 - b. Failure of the Permittee to apply for reissuance at least 180 days prior to permit expiration will void the automatic continuation of the expiring permit provided by ADEM Administrative Code Rule 335-6-6-.06 and should the permit not be reissued for any reason any discharge after expiration of this permit will be an unpermitted discharge.

2. Change in Discharge

Prior to any facility expansion, process modification or any significant change in the method of operation of the Permittee's treatment works, the Permittee shall provide the Director with information concerning the planned expansion, modification or change. The Permittee shall apply for a permit modification at least 180 days prior to any facility expansion, process modification, any significant change in the method of operation of the Permittee's treatment works or other actions that could result in the discharge of additional pollutants or increase the quantity of a discharged pollutant or could result in an additional discharge point. This condition applies to pollutants that are or that are not subject to discharge limitations in this permit. No new or increased discharge may begin until the Director has authorized it by issuance of a permit modification or a reissued permit.

3. Transfer of Permit

This permit may not be transferred or the name of the Permittee changed without notice to the Director and subsequent modification or revocation and reissuance of the permit to identify the new Permittee and to incorporate any other changes as may be required under the FWPCA or AWPCA. In the case of a change in name, ownership or control of the Permittee's premises only, a request for permit modification in a format acceptable to the Director is required at least 30 days prior to the change. In the case of a change in name, ownership or control of the Permittee's premises accompanied by a change or proposed change in effluent characteristics, a complete permit application is required to be submitted to the Director at least 180 days prior to the change. Whenever the Director is notified of a change in name, ownership or control, he may decide not to modify the existing permit and require the submission of a new permit application.

4. Permit Modification and Revocation

- a. This permit may be modified or revoked and reissued, in whole or in part, during its term for cause, including but not limited to, the following:
 - If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to revoke and reissue this permit instead of terminating the permit;
 - (2) If a request to transfer this permit has been received, the Director may decide to revoke and reissue or to modify the permit; or
 - (3) If modification or revocation and reissuance is requested by the Permittee and cause exists, the Director may grant the request.
- b. This permit may be modified during its term for cause, including but not limited to, the following:
 - (1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to modify this permit instead of terminating this permit;

- (2) There are material and substantial alterations or additions to the facility or activity generating wastewater which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit;
- (3) The Director has received new information that was not available at the time of permit issuance and that would have justified the application of different permit conditions at the time of issuance;
- (4) A new or revised requirement(s) of any applicable standard or limitation is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA;
- (5) Errors in calculation of discharge limitations or typographical or clerical errors were made;
- (6) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, when the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued;
- (7) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, permits may be modified to change compliance schedules;
- (8) To agree with a granted variance under 30l(c), 30l(g), 30l(h), 30l(k), or 3l6(a) of the FWPCA or for fundamentally different factors;
- (9) To incorporate an applicable 307(a) FWPCA toxic effluent standard or prohibition;
- (10) When required by the reopener conditions in this permit;
- (11) When required under 40 CFR 403.8(e) (compliance schedule for development of pretreatment program);
- (12) Upon failure of the state to notify, as required by Section 402(b)(3) of the FWPCA, another state whose waters may be affected by a discharge permitted by this permit;
- (13) When required to correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions; or
- (14) When requested by the Permittee and the Director determines that the modification has cause and will not result in a violation of federal or state law, regulations or rules.

Termination

This permit may be terminated during its term for cause, including but not limited to, the following:

- a. Violation of any term or condition of this permit;
- b. The Permittee's misrepresentation or failure to disclose fully all relevant facts in the permit application or during the permit issuance process or the Permittee's misrepresentation of any relevant facts at any time;
- c. Materially false or inaccurate statements or information in the permit application or the permit;
- d. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;
- e. The Permittee's discharge threatens human life or welfare or the maintenance of water quality standards;
- f. Permanent closure of the facility generating the wastewater permitted to be discharged by this permit or permanent cessation of wastewater discharge;
- g. New or revised requirements of any applicable standard or limitation that is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA that the Director determines cannot be complied with by the Permittee; or
- h. Any other cause allowed by the ADEM Administrative Code, Chapter 335-6-6.

6. Suspension

This permit may be suspended during its term for noncompliance until the Permittee has taken action(s) necessary to achieve compliance.

7. Stay

The filing of a request by the Permittee for modification, suspension or revocation of this permit, in whole or in part, does not stay any permit term or condition.

F. COMPLIANCE WITH TOXIC POLLUTANT STANDARD OR PROHIBITION

If any applicable effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a), for a toxic pollutant discharged by the Permittee, and such standard or prohibition is more stringent than any discharge limitation on the pollutant specified in Provision I. A. of this permit or controls a pollutant not limited in Provision I. A. of this permit, this permit shall be modified to conform to the toxic pollutant effluent standard or prohibition, and the Permittee shall be notified of such modification. If this permit has not been modified to conform to the toxic pollutant effluent standard or prohibition before the effective date of such standard or prohibition, the Permittee shall attain compliance with the requirements of the standard or prohibition within the time period required by the standard or prohibition and shall continue to comply with the standard or prohibition until this permit is modified or reissued.

G. NOTICE TO DIRECTOR OF INDUSTRIAL USERS

- 1. The Permittee shall not allow the introduction of wastewater, other than domestic wastewater, from a new direct discharger prior to approval and permitting, if applicable, of the discharge by the Department.
- The Permittee shall not allow an existing indirect discharger to increase the quantity or change the character of its
 wastewater, other than domestic wastewater, prior to approval and permitting, if applicable, of the increased discharge by
 the Department.
- 3. The Permittee shall report to the Department any adverse impact caused or believed to be caused by an indirect discharger on the treatment process, quality of discharged water, or quality of sludge. Such report shall be submitted within seven days of the Permittee becoming aware of the adverse impacts.

H. PROHIBITIONS

The Permittee shall not allow, and shall take effective enforcement action to prevent and terminate, the introduction of any of the following into its treatment works by industrial users:

- 1. Pollutants which create a fire or explosion hazard in the treatment works;
- 2. Pollutants which will cause corrosive structural damage to the treatment works, or dischargers with a pH lower than 5.0 s.u., unless the works are specifically designed to accommodate such discharges;
- 3. Solid or viscous pollutants in amounts which will cause obstruction of flow in sewers, or other interference with the treatment works;
- 4. Pollutants, including oxygen demanding pollutants, released in a discharge of such volume or strength as to cause interference in the treatment works;
- 5. Heat in amounts which will inhibit biological activity in the treatment plant resulting in interference or in such quantities that the temperature of the treatment plant influent exceeds 40°C (104° F) unless the treatment plant is designed to accommodate such heat; and
- 6. Pollutants in amounts which exceed any applicable pretreatment standard under Section 307 of FWPCA or any approved revisions thereof.

PART III ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. CIVIL AND CRIMINAL LIABILITY

1. Tampering

Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained or performed under the permit shall, upon conviction, be subject to penalties as provided by the AWPCA.

False Statements

Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be subject to penalties as provided by the AWPCA.

3. Permit Enforcement

- a. Any NPDES permit issued or reissued by the Department is a permit for the purpose of the AWPCA and the FWPCA, and as such, any terms, conditions, or limitations of the permit are enforceable under state and federal law.
- b. Any person required to have a NPDES permit pursuant to ADEM Administrative Code Chapter 335-6-6 and who discharges pollutants without said permit, who violates the conditions of said permit, who discharges pollutants in a manner not authorized by the permit, or who violates applicable orders of the Department or any applicable rule or standard of the Department, is subject to any one or combination of the following enforcement actions under applicable state statutes:
 - (1) An administrative order requiring abatement, compliance, mitigation, cessation, clean-up, and/or penalties;
 - (2) An action for damages;
 - (3) An action for injunctive relief; or
 - (4) An action for penalties.
- c. If the Permittee is not in compliance with the conditions of an expiring or expired permit the Director may choose to do any or all of the following provided the Permittee has made a timely and complete application for reissuance of the permit:
 - (1) Initiate enforcement action based upon the permit which has been continued;
 - (2) Issue a notice of intent to deny the permit reissuance. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;
 - (3) Reissue the new permit with appropriate conditions; or
 - (4) Take other actions authorized by these rules and AWPCA.

4. Relief from Liability

Except as provided in Provision II. C. 1. (Bypass) and Provision II. C. 2. (Upset), nothing in this permit shall be construed to relieve the Permittee of civil or criminal liability under the AWPCA or FWPCA for noncompliance with any term or condition of this permit.

B. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities or penalties to which the Permittee is or may be subject under Section 311 of the FWPCA, 33 U.S.C. Section 1321.

C. PROPERTY AND OTHER RIGHTS

This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to persons or property or invasion of other private rights, or any infringement of federal, state, or local laws or regulations, nor does it authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any waters of the state or of the United States.

D. AVAILABILITY OF REPORTS

Except for data determined to be confidential under <u>Code of Alabama</u> 1975, Section 22-22-9(c), all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential.

E. EXPIRATION OF PERMITS FOR NEW OR INCREASED DISCHARGES

- 1. If this permit was issued for a new discharger or new source, this permit shall expire eighteen months after the issuance date if construction of the facility has not begun during the eighteen-month period.
- 2. If this permit was issued or modified to allow the discharge of increased quantities of pollutants to accommodate the modification of an existing facility and if construction of this modification has not begun during the eighteen month period after issuance of this permit or permit modification, this permit shall be modified to reduce the quantities of pollutants allowed to be discharged to those levels that would have been allowed if the modification of the facility had not been planned.
- Construction has begun when the owner or operator has:
 - a. Begun, or caused to begin as part of a continuous on-site construction program:
 - (1) Any placement, assembly, or installation of facilities or equipment; or
 - (2) Significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which are necessary for the placement, assembly, or installation of new source facilities or equipment; or
 - b. Entered into a binding contractual obligation for the purpose of placement, assembly, or installation of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under this paragraph.
- 4. Final plans and specifications for a waste treatment facility at a new source or new discharger, or a modification to an existing waste treatment facility must be submitted to and examined by the Department prior to initiating construction of such treatment facility by the Permittee.
- 5. Upon completion of construction of waste treatment facilities and prior to operation of such facilities, the Permittee shall submit to the Department a certification from a registered professional engineer, licensed to practice in the State of Alabama, that the treatment facilities have been built according to plans and specifications submitted to and examined by the Department.

F. COMPLIANCE WITH WATER QUALITY STANDARDS

- On the basis of the Permittee's application, plans, or other available information, the Department has determined that
 compliance with the terms and conditions of this permit should assure compliance with the applicable water quality
 standards.
- 2. Compliance with permit terms and conditions notwithstanding, if the Permittee's discharge(s) from point sources identified in Provision I. A. of this permit cause or contribute to a condition in contravention of state water quality standards, the Department may require abatement action to be taken by the Permittee in emergency situations or modify the permit pursuant to the Department's Rules, or both.
- 3. If the Department determines, on the basis of a notice provided pursuant to this permit or any investigation, inspection or sampling, that a modification of this permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPCA or FWPCA, the Department may require such modification, and, in cases of emergency, the Director may prohibit the discharge until the permit has been modified.

G. GROUNDWATER

Unless specifically authorized under this permit, this permit does not authorize the discharge of pollutants to groundwater. Should a threat of groundwater contamination occur, the Director may require groundwater monitoring to properly assess the degree of the problem, and the Director may require that the Permittee undertake measures to abate any such discharge and/or contamination.

H. DEFINITIONS

- Average monthly discharge limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).
- 2. Average weekly discharge limitation means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

- 3. Arithmetic Mean means the summation of the individual values of any set of values divided by the number of individual values.
- AWPCA means the Alabama Water Pollution Control Act.
- 5. BOD means the five-day measure of the pollutant parameter biochemical oxygen demand.
- Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
- 7. CBOD means the five-day measure of the pollutant parameter carbonaceous biochemical oxygen demand.
- Daily discharge means the discharge of a pollutant measured during any consecutive 24-hour period in accordance with the sample type and analytical methodology specified by the discharge permit.
- 9. Daily maximum means the highest value of any individual sample result obtained during a day.
- 10. Daily minimum means the lowest value of any individual sample result obtained during a day.
- 11. Day means any consecutive 24-hour period.
- 12. Department means the Alabama Department of Environmental Management.
- 13. Director means the Director of the Department.
- 14. Discharge means "[t]he addition, introduction, leaking, spilling or emitting of any sewage, industrial waste, pollutant or other waste into waters of the state". Code of Alabama 1975, Section 22-22-1(b)(9).
- Discharge Monitoring Report (DMR) means the form approved by the Director to accomplish reporting requirements of an NPDES permit.
- 16. DO means dissolved oxygen.
- 17. 8HC means 8-hour composite sample, including any of the following:
 - a. The mixing of at least 8 equal volume samples collected at constant time intervals of not more than 1 hour over a period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
 - b. A sample continuously collected at a constant rate over period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
- 18. EPA means the United States Environmental Protection Agency.
- 19. FC means the pollutant parameter fecal coliform.
- 20. Flow means the total volume of discharge in a 24-hour period.
- 21. FWPCA means the Federal Water Pollution Control Act.
- 22. Geometric Mean means the Nth root of the product of the individual values of any set of values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered one (1).
- 23. Grab Sample means a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the discharge.
- 24. Indirect Discharger means a nondomestic discharger who discharges pollutants to a publicly owned treatment works or a privately owned treatment facility operated by another person.
- 25. Industrial User means those industries identified in the Standard Industrial Classification manual, Bureau of the Budget 1967, as amended and supplemented, under the category "Division D Manufacturing" and such other classes of significant waste producers as, by regulation, the Director deems appropriate.
- 26. MGD means million gallons per day.
- 27. Monthly Average means the arithmetic mean of all the composite or grab samples taken for the daily discharges collected in one month period. The monthly average for flow is the arithmetic mean of all flow measurements taken in a one month period.
- 28. New Discharger means a person, owning or operating any building, structure, facility or installation:
 - a. From which there is or may be a discharge of pollutants;
 - From which the discharge of pollutants did not commence prior to August 13, 1979, and which is not a new source;
 and

- c. Which has never received a final effective NPDES permit for dischargers at that site.
- 29. NH3-N means the pollutant parameter ammonia, measured as nitrogen.
- 30. Notifiable sanitary sewer overflow means an overflow, spill, release or diversion of wastewater from a sanitary sewer system that:
 - a. Reaches a surface water of the State; or
 - b. May imminently and substantially endanger human health based on potential for public exposure including but not limited to close proximity to public or private water supply wells or in areas where human contact would be likely to occur.
- Permit application means forms and additional information that is required by ADEM Administrative Code Rule 335-6-6-.08 and applicable permit fees.
- 32. Point source means "any discernible, confined and discrete conveyance, including but not limited to any pipe, channel, ditch, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or vessel or other floating craft, . . . from which pollutants are or may be discharged." Section 502(14) of the FWPCA, 33 U.S.C. Section 1362(14).
- 33. Pollutant includes for purposes of this permit, but is not limited to, those pollutants specified in Code of Alabama 1975, Section 22-22-1(b)(3) and those effluent characteristics specified in Provision I. A. of this permit.
- 34. Privately Owned Treatment Works means any devices or system which is used to treat wastes from any facility whose operator is not the operator of the treatment works, and which is not a "POTW".
- 35. Publicly Owned Treatment Works -- means a wastewater collection and treatment facility owned by the State, municipality, regional entity composed of two or more municipalities, or another entity created by the State or local authority for the purpose of collecting and treating municipal wastewater.
- 36. Receiving Stream means the "waters" receiving a "discharge" from a "point source".
- 37. Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- 38. Significant Source means a source which discharges 0.025 MGD or more to a POTW or greater than five percent of the treatment work's capacity, or a source which is a primary industry as defined by the U.S. EPA or which discharges a priority or toxic pollutant.
- 39. TKN means the pollutant parameter Total Kjeldahl Nitrogen.
- 40. TON means the pollutant parameter Total Organic Nitrogen.
- 41. TRC means Total Residual Chlorine.
- 42. TSS means the pollutant parameter Total Suspended Solids.
- 43. 24HC means 24-hour composite sample, including any of the following:
 - a. The mixing of at least 8 equal volume samples collected at constant time intervals of not more than 2 hours over a period of 24 hours;
 - b. A sample collected over a consecutive 24-hour period using an automatic sampler composite to one sample. As a minimum, samples shall be collected hourly and each shall be no more than one twenty-fourth (1/24) of the total sample volume collected; or
 - c. A sample collected over a consecutive 24-hour period using an automatic composite sampler composited proportional to flow.
- 44. Upset means an exceptional incident in which there is an unintentional and temporary noncompliance with technology-based permit discharge limitations because of factors beyond the reasonable control of the Permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- 45. Waters means "[a]]!I waters of any river, stream, watercourse, pond, lake, coastal, ground, or surface water, wholly or partially within the state, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership, or corporation unless such waters are used in interstate commerce." Code of Alabama 1975, Section 22-22-1(b)(2). Waters "include all navigable waters" as defined in Section 502(7) of the FWPCA, 22 U.S.C. Section 1362(7), which are within the State of Alabama.
- 46. Week means the period beginning at twelve midnight Saturday and ending at twelve midnight the following Saturday.

47. Weekly (7-day and calendar week) Average – is the arithmetic mean of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The calendar week is defined as beginning on Sunday and ending on Saturday. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for the calendar week shall be included in the data for the month that contains the Saturday.

I. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

PART IV SPECIFIC REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. SLUDGE MANAGEMENT PRACTICES

1. Applicability

- a. Provisions of Provision IV.A. apply to a sewage sludge generated or treated in treatment works that is applied to agricultural and non-agricultural land, or that is otherwise distributed, marketed, incinerated, or disposed in landfills or surface disposal sites.
- b. Provisions of Provision IV.A. do not apply to:
 - Sewage sludge generated or treated in a privately owned treatment works operated in conjunction with industrial
 manufacturing and processing facilities and which receive no domestic wastewater.
 - (2) Sewage sludge that is stored in surface impoundments located at the treatment works prior to ultimate disposal.

2. Submitting Information

- a. If applicable, the Permittee must submit annually with its Municipal Water Pollution Prevention (MWPP) report the following:
 - (1) Type of sludge stabilization/digestion method;
 - (2) Daily or annual sludge production (dry weight basis);
 - (3) Ultimate sludge disposal practice(s).
- b. The Permittee shall provide sludge inventory data to the Director as requested. These data may include, but are not limited to, sludge quantity and quality reported in Provision IV.A.2.a as well as other specific analyses required to comply with State and Federal laws regarding solid and hazardous waste disposal.
- c. The Permittee shall give prior notice to the Director of at least 30 days of any change planned in the Permittee's sludge disposal practices.

3. Reopener or Modification

- a. Upon review of information provided by the Permittee as required by Provision IV.A.2. or, based on the results of an on-site inspection, the permit shall be subject to modification to incorporate appropriate requirements.
- b. If an applicable "acceptable management practice" or if a numerical limitation for a pollutant in sewage sludge promulgated under Section 405 of FWPCA is more stringent than the sludge pollutant limit or acceptable management practice in this permit. This permit shall be modified or revoked or reissued to conform to requirements promulgated under Section 405. The Permittee shall comply with the limitations no later than the compliance deadline specified in applicable regulations as required by Section 405 of FWPCA.

B. EFFLUENT TOXICITY LIMITATIONS AND BIOMONITORING REQUIREMENTS FOR CHRONIC TOXICITY

1. Chronic Toxicity Test

- a. The permittee shall perform short-term chronic toxicity tests on the wastewater at Outfall 0011.
- b. The samples shall be diluted using appropriate control water to the Instream Waste Concentration (IWC) which is 7 percent effluent. The IWC is the actual concentration of effluent, after mixing, in the receiving stream during a 7-day, 10-year low flow period.
- c. The samples shall be representative of the combined discharge flow from Gadsden West River (AL0053201), Rainbow City (AL0056839), and Attalla (AL0057657). The samples may be taken after combination of the flows from each faility or prior to combination and flow-weighted based on the actual flow from each facility during the sampling period.
- d. Any test result that shows a statistically significant reduction in survival, growth, or reproduction between the control and test samples at the 95% confidence level indicates chronic toxicity and shall constitute noncompliance with this permit.

2. General Test Requirements

a. A minimum of three (3) 24-hour composite samples shall be obtained for use in the above biomonitoring tests. Samples shall be collected every other day so that the laboratory receives water samples on the first, third, and fifth day of the seven-day test period. The holding time for each composite sample shall not exceed 36 hours. The control water shall be a water prepared in the laboratory in accordance with the EPA procedure described in EPA 821-R-02-013 (most current edition) or another control water selected by the Permittee and approved by the Department.

- b. Test results shall be deemed unacceptable and the Permittee shall rerun the tests as soon as practical within the monitoring period for the following:
 - (1) For testing with P. promelas:, effluent toxicity tests with control survival of less than 80% or if dry weight per surviving control organism is less than 0.25 mg;
 - (2) For testing with C. dubia:, if the number of young per surviving control organism is less than 15 or if less than 60% of surviving control females produce three broods; or
 - (3) If the other requirements of the EPA Test Procedure are not met.
- c. In the event of an invalid test, upon subsequent completion of a valid test, the results of all tests, valid and invalid, are to be reported to the Department along with an explanation of the tests performed and the test results.
- d. Toxicity tests shall be conducted for the duration of this permit in the month of **August**. Should results from the Annual Toxicity test indicate that Outfall 001-1 exhibits chronic toxicity, then the Permittee must conduct the follow-up testing described in Part IV.B.4.a. In addition, the Permittee may then also be required to conduct toxicity testing in the months of FEBRUARY, MAY, AUGUST, and NOVEMBER.

3. Reporting Requirements

- a. The Permittee shall notify the Department in writing within 48 hours after toxicity has been demonstrated by the scheduled test(s).
- b. Biomonitoring test results obtained during each monitoring period shall be summarized and reported using the appropriate Discharge Monitoring Report (DMR) form approved by the Department. In accordance with Section 2 of this part, an effluent toxicity report containing the information in Sections 2 and 6 shall be included with the DMR. Two copies of the test results must be submitted to the Department no later than 28 days after the month that tests were performed.

4. Additional Testing Requirements

- a. If chronic toxicity is indicated (i.e., noncompliance with permit limit), then the Permittee must perform two additional valid chronic toxicity tests in accordance with these procedures to determine the extent and duration of the toxic condition. The toxicity tests shall run consecutively beginning on the first calendar week following the date that the Permittee became aware of the permit noncompliance. The results of these follow-up tests shall be submitted to the Department no later than 28 days following the month the tests were performed.
- b. After evaluation of the results of the follow-up tests, the Department will determine if additional action is appropriate and may require additional testing and/or toxicity reduction measures. The permittee may be required to perform a Toxicity Identification Evaluation (TIE) and/or a Toxicity Reduction Evaluation (TRE). The TIE/TRE shall be performed in accordance with the most recent protocols and guidance outlined by EPA (e.g., EPA/600/2-88/062, EPA/600/R-92/080, EPA/600/R-91-003, EPA/600/R-92/081, EPA/833/B-99/022, and/or EPA/600/6-91/005F)

5. Test Methods

The tests shall be performed in accordance with the latest edition of the "EPA Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms." The Larval Survival and Growth Test, Method 1000.0, shall be used for the fathead minnow (Pimephales promelas) test and the Survival and Reproduction Test, Method 1002.0, shall be used for the cladoceran (Ceriodaphnia dubia) test.

6. Effluent Toxicity Testing Reports

The following information shall be submitted with each DMR unless otherwise directed by the Department. The Department may at any times suspend or reinstate this requirement or may decrease or increase the frequency of submittals.

a. Introduction

- (1) Facility name, location and county
- (2) Permit number
- (3) Toxicity testing requirements of permit
- (4) Name of receiving water body
- (5) Contract laboratory information (if tests are performed under contract)
 - (a) Name of firm
 - (b) Telephone number
 - (c) Address
- (6) Objective of test

b. Plant Operations

- (1) Discharge Operating schedule (if other than continuous)
- (2) Volume of discharge during sample collection to include Mean daily discharge on sample collection dates (MGD, CFS, GPM)
- (3) Design flow of treatment facility at time of sampling

c. Source of Effluent and Dilution Water

- (1) Effluent samples
 - (a) Sampling point
 - (b) Sample collection dates and times (to include composite sample start and finish times)
 - (c) Sample collection method
 - (d) Physical and chemical data of undiluted effluent samples (water temperature, pH, alkalinity, hardness, specific conductance, total residual chlorine (if applicable), etc.)
 - (e) Lapsed time from sample collection to delivery
 - (f) Lapsed time from sample collection to test initiation
 - (g) Sample temperature when received at the laboratory

(2) Dilution Water

- (a) Source
- (b) Collection/preparation date(s) and time(s)
- (c) Pretreatment (if applicable)
- (d) Physical and chemical characteristics (water temperature, pH, alkalinity, hardness, specific conductance, etc.)

d. Test Conditions

- (1) Toxicity test method utilized
- (2) End point(s) of test
- (3) Deviations from referenced method, if any, and reason(s)
- (4) Date and time test started
- (5) Date and time test terminated
- (6) Type and volume of test chambers
- (7) Volume of solution per chamber
- (8) Number of organisms per test chamber
- (9) Number of replicate test chambers per treatment
- (10) Test temperature, pH, and dissolved oxygen as recommended by the method (to include ranges)
- (11) Specify if aeration was needed
- (12) Feeding frequency, amount, and type of food
- (13) Specify if (and how) pH control measures were implemented
- (14) Light intensity (mean)

e. Test Organisms

- (1) Scientific name
- (2) Life stage and age
- (3) Source
- (4) Disease(s) treatment (if applicable)

f. Quality Assurance

- (1) Reference toxicant utilized and source
- (2) Date and time of most recent chronic reference toxicant test(s), raw data, and current control chart(s). (The most recent chronic reference toxicant test shall be conducted within 30 days of the routine.)
- (3) Dilution water utilized in reference toxicant test
- (4) Results of reference toxicant test(s) (NOEC, IC25, etc.); report concentration-response relationship and evaluate test sensitivity
- (5) Physical and chemical methods utilized

g. Results

- Provide raw toxicity data in tabular form, including daily records of affected organisms in each concentration (including controls) and replicate
- (2) Provide table of endpoints: NOECs, IC25s, PASS/FAIL, etc. (as required in the applicable NPDES permit)
- (3) Indicate statistical methods used to calculate endpoints
- (4) Provide all physical and chemical data required by method

(5) Results of test(s) (NOEC, IC25, PASS/FAJL, etc.), report concentration-response relationship (definitive test only), report percent minimum significant difference (PMSD) calculated for sublethal endpoints determined by hypothesis testing.

Conclusions and Recommendations

- (1) Relationship between test endpoints and permit limits
- (2) Actions to be taken

1/ Adapted from "Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms", Fourth Edition, October 2002 (EPA 821-R-02-013), Section 10, Report Preparation.

C. TOTAL RESIDUAL CHLORINE (TRC) REQUIREMENTS

- 1. If chlorine is not utilized for disinfection purposes, TRC monitoring under Part I of this Permit is not required. If TRC monitoring is not required (conditional monitoring), "*9" or "NODI = 9" (if hard copy) should be reported on the DMR forms.
- 2. Testing for TRC shall be conducted according to either the amperometric titration method or the DPD colorimetric method as specified in Section 408(C) or (E), Standards Methods for the Examination of Water and Wastewater, 18th edition. If chlorine is not detected prior to actual discharge to the receiving stream using one of these methods (i.e., the analytical result is less than the detection level), the Permittee shall report on the DMR form "*B", "NODI = B" (if hard copy), or "0". The Permittee shall then be considered to be in compliance with the daily maximum concentration limit for TRC.
- 3. This permit contains a maximum allowable TRC level in the effluent. The Permittee is responsible for determining the minimum TRC level needed in the chlorine contact chamber to comply with <u>E.coli</u> limits. The effluent shall be dechlorinated if necessary to meet the maximum allowable effluent TRC level.
- 4. The sample collection point for effluent TRC shall be at a point downstream of the chlorine contact chamber (downstream of dechlorination if applicable). The exact location is to be approved by the Director.

D. PLANT CLASSIFICATION

The Permittee shall report to the Director within 30 days of the effective date of this permit, the name, address and operator number of the certified wastewater operator in responsible charge of the facility. Unless specified elsewhere in this permit, this facility shall be classified in accordance with ADEM Admin. Code R. 335-10-1-.03.

E. POLLUTANT SCANS

The Permittee shall sample and analyze for the pollutants listed in 40 CFR 122 Appendix J Table 2. The Permittee shall provide data from a minimum of three samples collected within the four and one half years prior to submitting a permit application. Samples must be representative of the seasonal variation in the discharge from each outfall.

F. STORM WATER REQUIREMENTS

1. Prohibitions

- a. The Permittee shall not allow the discharge of non-storm water into permitted storm water outfall(s) unless said discharge is already subject to an NPDES permit.
- b. Pollutants removed in the course of treatment or control shall be disposed in a manner that complies with all applicable Department rules and regulations.

2. Operational and Management Practices

The permittee shall prepare and implement a Storm Water Pollution Prevention (SWPP) Plan within one year of the effective date of this permit.

- a. In the SWPP Plan, the Permittee shall:
 - (1) Assess the treatment plant site by developing and presenting site drainage maps, materials inventory, and best management operational practices. The plan shall also include a description of all spill or leak sources;
 - (2) Describe mechanisms and procedures to prevent the contact of sewage sludge, screenings, raw or partially treated wastewater, or any other waste product or pollutant with storm water discharged from the facility;
 - (3) Provide for daily inspection on workdays of any structures that function to prevent storm water pollution or that remove pollutants from storm water;
 - (4) Provide for daily inspection of the facility in general to ensure that the SWPP Plan is continually implemented and effective;

- (5) Include a Best Management Practices (BMP) Plan that, as a minimum, addresses housekeeping, preventative maintenance, spill prevention and response, and non-storm water discharges;
- (6) Describe mechanisms and procedures to provide sediment control sufficient to prevent or control storm water pollution storm water by particles resulting from soil or sediment migration from the site due to significant clearing, grading, or excavation activities;
- (7) Designate by position or name the person or persons responsible for the day to day implementation of the SWPP Plan; and
- (8) Bear the signature of an individual meeting signatory requirements as defined in ADEM Administrative Code, Rule 335-6-6-.09.
- b. The Director or his designee may notify the permittee at any time that the SWPP Plan is deficient and will require correction of the deficiency. The permittee shall correct any SWPP Plan deficiency identified by the Director or his designee within 30 days of receipt of notification and shall certify to the Department that the correction has been made and implemented.

c. Administrative Procedures

- A copy of the SWPP Plan shall be maintained at the facility and shall be available for inspection by the Department.
- (2) A log of daily inspections required by Provision IV.F.2.a.(3.) of the permit shall be maintained at the facility and shall be made available for inspection by the Department upon request. The log shall contain records of all inspections performed and each daily entry shall be signed by the person performing the inspection.
- (3) The Permittee shall provide training for any personnel required to implement the SWPP Plan and shall retain documentation of such training at the facility. Training records for all personnel shall be available for inspection by the Department. Training shall be performed prior to the date implementation is required.

3. Monitoring Requirements

- a. Storm water discharged through each storm water outfall shall be sampled once per calendar year, using first flush grab samples (FFGS) collected during the first 30 minutes of discharge.
- b. The total volume of storm water discharged for the event must be monitored, including the date and duration (in hours) and rainfall (in inches) for the storm event(s) sampled. The duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event must be a minimum of 72 hours. This information must be recorded as part of the sampling procedure and records retained in accordance with Provision I.B.5. of this permit. The volume may be measured using flow measurement devices or may be estimated using any method approved in writing by the Department.

G. PERFLUORONATED COMPOUNDS

1. Reopener Clause

This permit may be revoked and reissued or modified if new information becomes available. This information may include but is not limited to: new laws, regulations, policies, or additional technology requirements.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT WATER DIVISION – INDUSTRIAL AND MUNICIPAL SECTIONS NONCOMPLIANCE NOTIFICATION FORM

PERM	RMITTEE NAME: PERMIT NO:								
FACIL	ITY LOCATION:								
DMR I	REPORTING PERIOD:								
1.	DESCRIPTION OF DISC	HARGE: (Include outfall number (s))						
2.	DESCRIPTION OF NON-	-COMPLIANCE: (Attach additiona	I pages if necessary):						
	-	LIST EFFLUENT VIOLAT	TIONS (If applicable)						
	Outfall Number (s) NONCOMPLIANCE Result Reported (Include units) Permit Limit (Include units)								
	LIST	 TMONITORING / REPORTING	VIOLATIONS (If ap	plicable)					
		NONCOMPLIANCE	Monitoring	/ Reporting Violation					
	Outfall Number (s)	PARAMETER(S)	(Prov	vide description)					
			-						
3.	CAUSE OF NON-COMPL	LIANCE (Attach additional pages i	f necessary):						
4.	PERIOD OF NONCOMPI noncompliance is expecte	_IANCE: (Include exact date(s) an ed to continue):	d time(s) or, if not correc	cted, the anticipated time the					
5.	DESCRIPTION OF STEPS TAKEN AND/OR BEING TAKEN TO REDUCE OR ELIMINATE THE NONCOMPLYING DISCHARGE AND TO PREVENT ITS RECURRENCE (attach additional pages if necessary):								
with a the pe submi	system designed to assure the erson or persons who mana tted is, to the best of my kn	hat qualified personnel properly ga ge the system, or those persons	ther and evaluate the in directly responsible for e, and complete. I am a	er my direction or supervision in accordance formation submitted. Based on my inquiry or gathering the information, the information ware that there are significant penalties for iolations."					
		IBLE OFFICIAL (type or print)	_						
SIGNA	ATURE OF RESPONSIBLE	/ OFFICIAL / DATE SIGNED	_						
ADEM	Form 421 09/05								

FACT SHEET

APPLICATION FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT TO DISCHARGE POLLUTANTS TO WATERS OF THE STATE OF ALABAMA

Date: February 28, 2017 Prepared By: Dustin Stokes

NPDES Permit No. AL0053201

1. Name and Address of Applicant:

The Water Works & Sewer Board of the City of Gadsden Post Office Box 800 Gadsden, AL 35902

2. Name and Address of Facility:

Gadsden West River WWTP 2000 Wills Creek Road Gadsden, Alabama 35904

3. Description of Applicant's Type of Facility and/or Activity Generating the Discharge:

Waste Water Treatment Plant

4. Applicant's Receiving Waters

Receiving Waters	Classification					
BIG WILLS CREEK	F&W					
COOSA RIVER	F&W					

For the Outfall latitude and longitude see the permit application.

5. Permit Conditions:

See attached Rationale and Draft Permit.

6. PROCEDURES FOR THE FORMULATION OF FINAL DETERMINATIONS

a. Comment Period

The Alabama Department of Environmental Management proposes to issue this NPDES permit subject to the limitations and special conditions outlined above. This determination is tentative.

Interested persons are invited to submit written comments on the draft permit to the following address:

Russell A. Kelly, Chief Permits and Services Division Alabama Department of Environmental Management 1400 Coliseum Blvd

(Mailing Address: Post Office Box 301463; Zip 36130-1463) Montgomery, Alabama 36110-2059 (334) 271-7714

All comments received prior to the closure of the public notice period (see public notice for date) will be considered in the formulation of the final determination with regard to this permit.

b. Public Hearing

A written request for a public hearing may be filed within the public notice period and must state the nature of the issues proposed to be raised in the hearing. A request for a hearing should be filed with the Department at the following address:

Russell A. Kelly, Chief
Permits and Services Division
Alabama Department of Environmental Management
1400 Coliseum Blvd
(Mailing Address: Post Office Box 301463; Zip 36130-1463)
Montgomery, Alabama 36110-2059
(334) 271-7714

The Director shall hold a public hearing whenever it is found, on the basis of hearing requests, that there exists a significant degree of public interest in a permit application or draft permit. The Director may hold a public hearing whenever such a hearing might clarify one or more issues involved in the permit decision. Public notice of such a hearing will be made in accordance with ADEM Admin. Code r. 335-6-6-21.

c. Issuance of the Permit

All comments received during the public comment period shall be considered in making the final permit decision. At the time that any final permit decision is issued, the Department shall prepare a response to comments in accordance with ADEM Admin. Code r. 335-6-6-.21. The permit record, including the response to comments, will be available to the public via the eFile System (http://app.adem.alabama.gov/eFile/) or an appointment to review the record may be made by writing the Permits and Services Division at the above address.

Unless a request for a stay of a permit or permit provision is granted by the Environmental Management Commission, the proposed permit contained in the Director's determination shall be issued and effective, and such issuance will be the final administrative action of the Alabama Department of Environmental Management.

d. Appeal Procedures

As allowed under ADEM Admin. Code chap. 335-2-1, any person aggrieved by the Department's final administrative action may file a request for hearing to contest such action. Such requests should be received by the Environmental Management Commission within thirty days of issuance of the permit. Requests should be filed with the Commission at the following address:

Alabama Environmental Management Commission

1400 Coliseum Blvd (Mailing Address: Post Office Box 301463; Zip 36130-1463) Montgomery, Alabama 36110-2059

All requests must be in writing and shall contain the information provided in ADEM Admin. Code r. 335-2-1-.04.

NPDES PERMIT RATIONALE

NPDES Permit No: AL0053201 Date: February 28, 2017

Permit Applicant: The Water Works & Sewer Board of the City of Gadsden

Post Office Box 800 Gadsden, Alabama 35902

Location: Gadsden West River WWTP

2000 Wills Creek Road Gadsden, Alabama 35904

Draft Permit is: Initial Issuance:

Reissuance due to expiration: X

Modification of existing permit: Revocation and Reissuance:

Basis for Limitations: Water Quality Model: DO, NH3-N, TKN, CBOD

Reissuance with no modification: DO, pH, NH3-N, TKN, TRC, CBOD

Instream calculation at 7Q10: 7.0% Toxicity based: TRC

Secondary Treatment Levels: TSS, TSS % Removal, CBOD %

Removal

Other (described below): pH, E. coli, TP

Design Flow in Million Gallons per Day: 11.32 MGD

Major: Yes

Description of Discharge: Outfall Number 001;

Effluent discharge to Coosa River (Neely Henry Lake),

which is classified as Fish & Wildlife.

Outfall Numbers 002 & 003;

Storm water discharges to Big Wills Creek, which is

classified as Fish & Wildlife.

Discussion:

This is a permit reissuance due to expiration. Limits for Five Day Carbonaceous Biochemical Oxygen Demand (CBOD), Total Ammonia-Nitrogen (NH3-N), Total Kjeldahl Nitrogen (TKN), and Dissolved Oxygen (DO) were developed based on a Waste Load Allocation (WLA) model that was completed by ADEM's Water Quality Branch (WQB) on October 28, 2008. The monthly average limits for CBOD, NH3-N, and TKN are 20.0 mg/L, 20.0 mg/L and 30.0, respectively. The daily minimum DO limit is 3.0 mg/L.

This facility was included in the EPA approved 2008 Coosa River Basin TMDL with a discharge capacity of 11.32 MGD. The TMDL states that major dischargers (design capacity greater than 1 MGD) must attain a growing season (April-October) Total Phosphorus (TP) limit of 1.0 mg/L. The TMDL also imposes a pH between 6.0 and 8.5 S.U for Neely Henry Lake.

This permit requires the permittee to monitor and report the nutrient-related parameter of Nitrate plus Nitrite Nitrogen (N02+N03-N). Monitoring for this nutrient related parameter is imposed so that sufficient information will be available regarding the nutrient contribution from this point source, should it be necessary at some later time to impose additional nutrient limits on this discharge.

The Total Residual Chlorine (TRC) limits of 0.775 mg/L (monthly average) and 1.0 mg/L (daily maximum) are based on EPA's recommended water quality values and on the current Toxicity Rationale, which considers the available dilution in the receiving stream. Monitoring for TRC is only applicable if chlorine is utilized for disinfection purposes.

The Department recently revised bacteriological criteria in ADEM Administrative Code R.335-6-10-.09. As a result, this permit includes E. coli limits and seasons that are consistent with the revised regulations. The imposed E. coli limits were determined based on the water-use classification of the receiving stream. Since the Coosa River (Neely Henry Lake) is classified as Fish & Wildlife, the limits for May – October are 126 col/100ml (monthly average) and 298 col/100ml (daily maximum), while the limits for November – April are 548 col/100ml (monthly average) and 2507 col/100ml (daily maximum).

The Total Suspended Solids (TSS) and TSS % removal limits of 30.0 mg/L monthly average and 85.0%, respectively, are based on the requirements of 40 CFR part 133.102 regarding Secondary Treatment. The increased TSS limitation is not backsliding since the increase would result in water quality standards being obtained and the revision is consistent with the Department's anti-degradation policy. A minimum percent removal limit of 85.0% is imposed for CBOD also in accordance with 40 CFR 133.102 regarding Secondary Treatment.

Because this is a major facility (design capacity greater than 1 MGD) treating both municipal and industrial wastewater, chronic toxicity testing with two species (Ceriodaphnia and Pimephales) is being imposed on this permit. Toxicity testing is imposed for both survival and life-cycle impairment (i.e., growth and reproduction). Chronic toxicity at the IWC of 7 percent is required once per year during the month of August. If the toxicity tests of the effluent from Outfall 001 indicate chronic toxicity, then toxicity tests may be required to be conducted during the months of February, May, August and November.

Because this is a major facility treating both municipal and industrial wastewater, the Department completed a reasonable potential analysis (RPA) of the discharge based on the application data, DMR data, and background data from station NEES-2. All background data test results were Below Detect except for hardness. The RPA indicates whether pollutants in treated effluent have potential to contribute to excursions of Alabama's in-stream water quality standards. Based on the analytical data submitted by the Permittee, it does not appear there is reasonable potential to cause an in-stream water quality criteria exceedance at this time.

The permit requires monitoring for multiple PFCs due to receipt of materials which may contain PFCs and EPA's research on Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) as pollutants of concern. Currently there are no established PFOA or PFOS levels of concern for wastewater discharges. Some of the PFCs which are included in the permit are precursors that may break down into PFOA and PFOS. If EPA establishes PFC levels for wastewater, the permit will be reviewed to determine if modifications are necessary.

Storm water runoff monitoring is being imposed by this permit based on 40 CFR Part 122. The designated outfalls for storm water runoff monitoring are 002S and 003S. Storm water runoff is to be monitored annually.

The monitoring frequency for DO, pH, TSS, NH3-N, TKN, TRC, E. coli and CBOD is twice per week. The monitoring frequency for N02+N03-N and TP is once per month. TSS % removal and CBOD % removal are to be calculated once per month. Monitoring for PFCs is to be conducted quarterly. Flow is to be continuously monitored daily.

The Coosa River (Neely Henry Lake) is a Tier I stream and is not listed on the most recent 303(d) list. The limits imposed in this permit are consistent with the 2008 organic enrichment, nutrients, and pH Coosa River Basin TMDL.

ADEM Administrative Rule 335-6-10-.12 requires applicants for new or expanded discharges to Tier II waters demonstrate that the proposed discharge is necessary for important economic or social development in the area in which the waters are located. The application submitted by the facility is not for a new or expanded discharge to a Tier II water body, so the applicant is not required to demonstrate that the discharge is necessary for economic and social development.

Prepared by: <u>Dustin Stokes</u>

TOXICITY AND DISINFECTION RATIONALE

Facility Name:

Gadsden West River WWTP

NPDES Permit Number:

AL0053201

Receiving Stream:

Coosa River (Neely Henry Lake)

Facility Design Flow (Qw):

11.320 MGD

Receiving Stream 7Q10: Receiving Stream 1Q₁₀: 1216.000 cfs

Winter Headwater Flow (WHF):

912.000 cfs N./A.

Summer Temperature for CCC: Winter Temperature for CCC:

28 deg. Celsius

Headwater Background NH₃-N Level:

18 deg. Celsius

Receiving Stream pH:

0.11 mg/l

7.0 s.u.

Headwater Background FC Level (summer):

N./A.

(Only applicable for facilities with diffusers.)

(winter)

N./A.

The Stream Dilution Ration (SDR) is calculated using the 7Q10 for all stream classifications.

1.42%

AMMONIA TOXICITY LIMITATIONS

Toxicity-based ammonia limits are calculated in accordance with the Ammonia Toxicity Protocol and the General Guidance for Writing Water Quality Based Toxicity Permits.

If the Limiting Dilution is less than 1%, the waterbody is considered stream-dominated and the CMC applies. If the Limiting Dilution is greater than 1%, the waterbody is considered effluent-dominated and the CCC applies.

Limiting Dilution =
$$\frac{Q_w}{7Q_{10} + Q_w}$$

1.42%

Effluent-Dominated, CCC Applies

Criterion Maximum Concentration (CMC):

 $CMC = 0.411/(1+10^{(7.204-pH)}) + 58.4/(1+10^{(pH-7204)})$

 $CCC = [0.0577/(1+10^{(7.688-pH)}) + 2.487/(1+10^{(pH-7.688)})] * Min[2.85, 1.45*10^{(0.028*(25-T))}]$

Criterion Continuous Concentration (CCC):

CMC

CCC 2.48 mg/l

Allowable Summer Instream NH3-N: Allowable Winter Instream NH3-N: 36.09 mg/l 36.09 mg/l

4.72 mg/l

[(Allowable Instream NH₃-N) * $(7Q_{10} + Q_w)$] - [(Headwater NH₃-N) * $(7Q_{10})$] Summer NH3-N Toxicity Limit = ---

= 166.9 mg/l NH3-N at 7Q10

Winter NH₃-N Toxicity Limit =
$$\frac{[(Allowable Instream NH_3-N)*(WHF+Q_w)] - [(Headwater NH_3-N)*(WHF)]}{Q_w}$$

= N./A.

The ammonia limits established in the permit will be the lesser of the DO-based ammonia limit (from the wasteload allocation model) or the toxicity limits calculated above.

> Summer Winter

DO-based NH3-N limit

20.00 mg/l NH3-N N./A.

Toxicity-based NH3-N limit 166.90 mg/l NH3-N

N./A.

Summer: The DO based limit of 20.00 mg/l NH3-N applies.

Winter limits are not applicable.

TOXICITY TESTING REQUIREMENTS (REFERENCE: MUNICIPAL BRANCH TOXICITY PERMITTING STRATEGY)

The following factors trigger toxicity testing requirements:

- 1. Facility design flow is equal to or greater than 1.0 MGD (major facility).
- 2. There are significant industrial contributors (SID permits).

Acute toxicity testing is specified for A&I receiving streams, or for stream dilution ratios of 1% or less. Chronic toxicity testing is specified for all other situations requiring toxicity testing.

Chronic toxicity testing is required

Instream Waste Concentration (IWC) =

Based on Cormix Model

6.2%

Note: This number will be rounded up for toxicity testing purposes.

DISINFECTION REQUIREMENTS

Bacteria limits are required, and will be the water quality limit for the receiving stream, except where diffusers are used the limit may be adjusted for the dilution provided by the diffuser.

See the attached Disinfection Guidance for applicable stream standards.

(Non-coastal limits apply)

Applicable Stream Classification: Fish & Wildlife

Disinfection Type: Chlorination

Limit calculation method: Limits based on meeting stream standards at the point of discharge.

	Stream Standard	Effluent Limit
	(colonies/100ml)	(colonies/100ml)
E. Coli (applies to Non-coastal and Shellfish Harvesting Coastal)		
Monthly limit as monthly average (November through April):	548	548
Monthly limit as monthly aveage (May through October):	126	126
Daily Max (November through April):	2507	2507
Daily Max (May through October):	298	298
Enterococci (applies to Coastal)		
Monthly limit as geometric mean (November through April):	Not applicable	Not applicable
Monthly limit as geometric mean (May through October):	Not applicable	Not applicable
Daily Max (November through April):	Not applicable	Not applicable
Daily Max (May through October):	Not applicable	Not applicable

MAXIMUM ALLOWABLE CHLORINATION LIMITS

Toxicity-based chlorine limits are calculated in accordance with the General Guidance for Writing Water Quality Based Toxicity Permits.

Chlorine has been shown to be acutely toxic at 0.019 mg/l and chronically toxic at 0.011 mg/l.

Maximum allowable TRC in effluent:

0.775 mg/l (chronic)

(0.011)/(SDR)

Maximum allowable TRC in effluent:

1.338 mg/l (acute)

(0.019)/(SDR)

NOTE: A maximum chlorine limit will be imposed such that the instream concentration will not exceed acutely toxic concentrations in A & I streams and chronically toxic concentrations in all other streams, but may not exceed 1.0 mg/l.

Prepared By:

Dustin Stokes

Date:

3/23/2017

Facility Name: Gadsden West River WWTP

NPDES No.: AL0053201

	$Q_d*C_d+Q_{d2}*$	Cd2 +	Q _s *C	s = Qr*C	Background	Background	100	Enter Max Daily Discharge as	Daily Ducharge as	Partition Coefficient
ID	Poliutant	Cardinoger "yes"	Type	from upstream source (C _{d2})	from upotream source (C ₅₂)	(C _s) Daily	Background Instruers (C ₄) Monthly Ave	reported by Applicant (C _d) Max	reported by Applicant (C _{it}) Ave	(Stream / Lake)
Ę	Antimory		Metals	Delly Max sig/T	Monthly Ave ug/1	Max ug/l	ug/l g	sid/l	iq/l	
- 2	Arsenic*,**	YES	Metals	o o	0	0	0	0	0	0.574
4	Berylium Cadmium**	Į	Metals Metals	0	0	0	0	0	0	0 236
	Chromium / Chromium III** Chromium / Chromium VI**		Metals Metals	0	0	0	0	0	0	0.210
7	Copper**		Metals Metals	0	0	0	0	0	0	0.388
9	Mercury**		Metals	0	0	0	0	0	0	0.302
10	Selenium	}	Metals Metals	0	0	0	0	0	0	0.505
12	Silver Thallium		Metals Metals	0	0	0	0	0	0	- 1
14	Zinc**		Metals	0	0	0	0	0	0	0.330
	Cyanide Total Phenolic Compounds		Metais Metais	0	0	0	0	0	4 0	
17	Hardness (As CaCO3) Acrolein		Metals VOC	0	0	67700	54900 0	128000	122000	
19	Acrylonitrile*	YES	VOC	0	0	0	0	0	0	
21	Aldrin Benzene*	YES	VOC	0	0	0	0	0	0	- 5
	Bromoform* Carbon Tetrachloride*	YES	VOC	0	0	0	0	0	0	- :
24 25	Chiordane Clorobenzene	YES	VOC	0	0	0	0	0	0	1
	Chlorodibromo-Methane*	YES	VOC	0	0	0	0	0	0	
28	2-Chlore-Ethylvine Ether		VOC	0	0	0	0	0	0	
30	Chloroform* 4,4'-DDD	YES	VOC	0	0	0	0	0	0	- :
	4,4'-DDE 4.4'-DDT	YES	VOC	0	0	0	0	0	0	
33	Dichiorobromo-Methane*	YES	voc	0	0	0	0	0	0	
	1, 1-Dichloroethane 1, 2-Dichloroethane*	YES	VOC	0	0	0	0	0	0	1
36 37	Trans-1, 2-Dichloro-Ethylene 1, 1-Dichloroethylone*	YES	VOC	0	0	0	0	0	0	:
38	1, 2-Dichloropropane 1, 3-Dichloro-Propylene		VOC	0	0	0	0	0	0	
40	Olekirin	YES	VOC	0	0	0	0	0	0	
42	Ethylbenzene Methyl Bromide		VOC	0	0	0	0	0	0	:
	Methyl Chloride Methylene Chloride*	YES	VOC	0	0	0	0	0	0	
45	1, 1, 2, 2-Yetrachloro-Ethane* Tetrachloro-Ethylene*	YES	VOC	0	0	0	0	0	0	
47	Toluene		voc	0	0	0	0	0	0	
48 49	Toxaphene Tributyitine (TBT)	YES YES	VOC	0	0	0	0	0	0	
50	1, 1, 1-Trichloroethane 1, 1, 2-Yrichloroethane*	YES	VOC	0	0	0	0	0	0	
	Trichlorethylene* Vinyl Chloride*	YES	VOC	0	0	0	0	0	0	
54	P-Chloro-M-Crescil 2-Chlorophenol		Acids Acids	0	0	0	0	0	0	
56	2, 4-Dichiorophenol		Acids	0	0	0	0	0	0	
57 58	2, 4-Dimetrylphenol 4, 6-Dinitro-O-Cresol		Acids	0	0	0	0	0	0	:
59	2, 4-Dinitrophenol 4,6-Dintro-2-methylophenol	YES	Acids Acids	0	0	0	0	0	0	1
61	Diaxin (2,3,7,8-TCDD)	YES	Acios	0	0	0	0	0	0	1
63	2-Nitrophenol 4-Nitrophenol		Acids Acids	0	0	.0	0	0	0	- :
	Pentachierophenol*	YES	Acids	0	0	0	0	0	0	:
66	2, 4, 6-Trichlorophenol* Aceraphtherm	YES	Acids Bases	0	0	0 0	0	0	0	
68	Acenephthylene		Bases	0	0	Ü	0	0	ō	:
	Arthracene Bensidine		Bases Bases	0	0	0	0	0	0	
71	Benzo(A)Anthracene* Benzo(A)Pyrene*	YES YES	Bases	0	0	0	0	0	0	:
	3, 4 Benzo-Fluoranthene Benzo(GHI)Psrylene		Bases	0	0	0	0	0	0	
75	Benzo(K)Fluoranthene		Bases	0	0	0	0	0	0	
76 77	Bis (2-Chicroethoxy) Methane Bis (2-Chicroethyl)-Ether*	YES	Bases Bases	0	0	0	0	0	0	
78	Bis (2-Chieroiso-Propyl) Ether Bis (2-Ethylhexyl) Phthelate*	YES	Bases Bases	0	0	0	0	0	0	-
	4-Bromophenyl Phenyl Ether Butyl Benzyl Philisiete		Seses	0	0	0	0	0	0	-
82 83	2-Chioronaphthalene		Bases	0	0	0	0	0	ő	
84	4-Chiorophenyl Phenyl Ether Chrysene*	YES	Gases	0	0	0	0	0	0	:
85 86	Di-N-Butyl Phthalate Di-N-Octyl Phthalate		Bases Bases	0	0	0	0	0	0	:
87 88	Dibenzo(A,H)Anthracene* 1, 2-Dichlorobenzene	YES	Bases Bases	0	0	0	0	0	0	;
89	1, 3-Dichlorobenzene 1, 4-Dichlorobenzene		Bases Bases	0	0	0	0	0	0	
91	3, 3-Dichioropenzidine*	YES	Bases	0	0	0	0	ō	0	:
92 93	Diethyl Phthelate Dimethyl Phthelate		Bases Bases	0	0	0	0	0	0	-:
95	2, 4-Dinitrotoluene* 2, 6-Dinitrotoluene	YES	Bases Bases	0	0	0	0	0	0	:
96	1.2-Dighenylhydrazine Endosulfan (sipha)	YES	Bases Bases	0	0	0	0	0	0	:
98	Endosulfan (aspira) Endosulfan sulfate	YES	Bases Bases	0	0	0	0	0	0	
100	Endrin	YES	Bases	0	0	0	6	0	6	
101 102	Endrin Aideyhide	YES	Bases Bases	0	0	0	0	0	0	15.
103	Pluorene Historchior	YES	Bases Bases	0	0	0	0 0	0	0	
105	Histarchior Epoxide	YES	Bases Bases	0	0	0	0	0	0	
107	Hexachiorobenzene* Hexachiorobutadiene*	YES	Bases	0	0	0	.0	0	0	
109	Hexachiorocyclohexan (alpa) Hexachiorocyclohexan (beta)	YES	Bases Bases	0	0	0	0	0	0	
110	Hexachlorocyclonexan (gamma). HexachlorocycloPertadiene	YES	Bases Sames	0	0	0	0	0	0	
12	Hexachlorsethand	YES	Bases Bases	0	0	0	0	0	0	
113	Indeno(1, 2, 3-CK)Pyrene*	TES	Bases	0	0	0	0	0	0	
116	Naphthalene Kitrobenzene		Bases	0	0	0	0	0	0	
117	N-Nitrosodi-N-Propylamine* N-Nitrosodi-N-Methylamine*	YES	Bases Bases	0	0	0	0	0	0	
119	N-Nitrosodi-N-Phenylamine*	YES	Bases	0	0	3	0	0	0	
121	PCB-1016 PCB-1221	YES	Bases Bases	0	0	0	0	0	0	
122	PCB-1232 PCB-1242	YES	Bases Bases	0	0	0	0	0	0	-
124	PCB-1248	YES	Sases Sases	0	0	0	0	0	0	
	PCB-1254 PCB-1260	YES	Bases	0	0	0	0	0	0	
127 128	Phenanthrase Pyrame	9000	Bases	0	0	0	0	0	0	
			f. Marrie	74.	100					

11.32	Enter Q ₄ = wastewater discharge flow from facility (MGD)
17.5146323	Q _e a wastewater discharge flow (cfs) (this value is caluctated from the MGD)
0	Enter flow from upstream discharge Od? * background stream flow in MGD above point of discharge.
0	Qd2 * background stream flow from upstream source (cfs)
1216	Enter 7Q10, Q ₂ = background stream flow in cfs above point of discharge
912	Enter or estimated, 1Q10, Q, * background stream flow in cfs above point of discharge (1Q10 estimated at 75% of 7Q10)
8939	Enter Mean Annual Flow. C background stream flow in ch above point of discharge
***************************************	Enter 702. Q. * back a set agmilled for the state of discharge (For LWF class of agmilled).
Enter to Left	Enter C, = background in-stream polluters concentration is payli (assuming this is pare "O" unless there is date)
Q, •Qd2•Q,	Q, a resultant in-stream flow, after discharge
Calculated on other	C, w resultant in-stream pollutant concentration in µg1 in the stream (after complete mixing occurs)
54.9	Enter, Backgrouns Hardness above point of discharge (assumed 50 South of Berningham)
7.00 s.u.	Enter, Backgrouns pH above point of discharge
YES	Enter, is discharge to a stream? "YES" Offier option weulit be to a Lake. (Tris changes the partition coefficients by the metals)

** Using Partition Coefficients

February 23, 2017

	NPDES No	AL00532	01													Human Has	Rh Consumpt	on Fish only	Gus
esh	water F&W classification.		77		Max Daily	Free	rivater Acute	(µg/l) C _e =1010			Avg Outly	Fresh	weter Chronic	(ugit) a, = 721	0	Certin	ogen Q _e = An	TURE AYMITING	IPW
0		200	Carcinogen	Background from upetream	Discharge as reported by Applicant	Water	Draft Parmit	20% of Draft		Background from upstream	Discharge as reported by Applicant	Water	Draft Permit	20% of Draft		Water Quality		20% of Draf	in l
	Polutant	RP7	jee	cource (Cd2) Diely Mex	(C)	Criteria (C.)	Limit (C)		RP7	Monthly Ave	(C)	Otracity Criteria (C.)	Limit (C)	Permit Limit	RP7	Criteria (C,)	Limit (Care)	Pterrif Limit	a
2	Antimony Arsenic		YES	0	0	592 334	31435 635	6287 127	- No	0	0	261.324	18404,442	3660.888	No	3.73E+02 3.03E-01	2.63E+04 1.55E+02	5.26E+03 3.10E+01	
4	Berylum Cadmium		0	0	0	4.701	252 688	50.538	No	0	0	0.887	48.376	9.675	No	1.0			
6	Chromium/ Chromium III Chromium/ Chromium VI			0	0	1600.294	88113.057 849.132	17622.611 169,826	No No	0	0	215.970 11.000	15210.274 774.704	3042 055 154.941	No No	1		:	
1	Copper Lead			0	0	19.686 71.577	1044.766 3798.619	208 953 759.724	No No	0	0	13.827	973.819 196.439	194.784 39.288	No No	-:-	:	:	
	Mercury Nickel			0	0	2.400 558 279	127.370 29628 293	25,474 5925,659	No No	0	0	0.012 82.008	0.845 4367 049	0.169 873,410	No	4.24E-02 9.93E+02	2 99E+00 6 99E+04	5 96E-01 1 40E+04	
	Selemum Silver			0	0	1.147	1061.415 60.861	212 283 12 172	No No	0	0	51.000	352.138	70,428	No	2,43E+03		3.42E+04	
	Thaillum Zinc			0	0	213.639	11337.991	2287 598	No.	0	0	215.387	15169.184	3033 837	No	2.74E-01 1.49E+04	1 93E+01 1.05E+06	3 85E+00 2.10E+05	
5	Cyanide Total Phinolic Compounds			0	11	22.000	1167 556	233 511	No	0	4	5.200	386.224	73.245	No	9.33E+03		1.31E+05	
7	Hardness (As CaCO3)			0	128000	:	-	:	-	0	122000		-	:					
9	Acrolein Acrylonitrile		YES	0	0		. :	:	-	0	0	. %	:	:		5.43E+00 1.44E-01	3 82E+02 7 37E+01	7.84E+01 1,47E+01	1
þ	Aldrin Benzene		YES YES	0	0	3.000	159.212	31 842	No -	0	0		:	:		7.55E+01	1.50E-02 7.91E+03	3.01E-03 1 58E +03	
	Bromotorm Carbon Tetrachloride		YES YES	0	0		:	:		0	0		:	-		7.862 × 01 0.57E-01	4.03E+04 4.90E+02	8.06E+03 9.79E+01	
4	Chlordane Clorobenzene		YES	0	0	2.400	127 370	25 474	No	0	0	0.0043	0 303	0.061	No	4.73E-04 9.06E+02	2.42E-01 6.38E+04	4.84E-02 1.28E+04	
ş	Chlorodibromo-Methane Chloroethane		YES	0	0					0	0		-		-	7.41E+00		7.58E+02	
ŀ	2-Chioro-Ethylvmyl Ether			0	0		:			0	0	19		:					
şŀ	ChloroForm 4,4' - DDD		YES YES	0	0	1				0	0	1	:			1.02E+02 1.81E-04	5.22E+04 9.28E-02	1.04E+04 1.86E-02	
	4.4' - DDE 4.4' - DDT		YES YES	0	0	1,100	58.376	11.676	No	0	0	0.001	0.070	0.014	No.	1.28E-04 1.28E-04	8 55E-02 6 55E-02	1.31E-02 1.31E-02	
ŀ	Clichlorobromo-Methane 1, 1-Dichloroethane		YES	0	0					0	0					1.00€+01	6.13E+03	1 03E+03	
ŀ	1, 2-Clichloroethane Trans-1, 2-Clichloro-Ethylene		YES	0	0	15	-	-	-	0	0	100	-			2.14E+01 5.91E+03	1.09E+04 4.16E+05	2 19E+03 8 32E+04	
ŀ	1, 1-Dichloroethytene 1, 2-Dichloroethytene		YES	0	0					0	0	5 5			4	4.17E+03	2-13E+06	4.26E+05	5
ŀ	1, 3-Dichloro-Propylene			0	0					0	0					6.49E+00 1.23E+01	5.96E+02 8.65E+02	1.73E+02	2
ŀ	Cheldrin Ethylbenzene		YES	0	0	0.240	12 737	2.547	No -	0	0	0.055	3.944	0 789	No -	9.12E-05 1.24E+03	1.00E-02 8.76E+04	3,19E-03 1.75E+04	1
1	Methyl Bromide Methyl Chloride			0	0	:		:	:	0	0			:		8.71E+02	6.14E+04	1.23E+04	
ł	Methylene Chloride 1, 1, 2, 2-Tetrachioro-Ethane		YES YES	0	0			:		0	0		:	:		3.46E+02 2.33E+05	1.77E+05 1-19E+03	3.54E+04 2.39E+02	
ŀ	Tetrachidro-Ethylene		YES	0	8	- 9			-	0	0	-i.,			-	1.92E+00	9.80E+02	1.96E+02	2
ŀ	Tokuene Toxaphene		YES	0	0	0.730	38.742	7.748	No	0	0	0.0002	0.014	0.003	No	0.72E+03 1.62E-04	6.14E+05 6.28E-02	1.23E+05 1.66E-02	
	Tributyitin (TBT) 1, 1, 1-Trichloroethane		YES	0	0	0.480	24,413	4.683	No	0	0	0.072	5.071	1.014	No.	- 7			
	1, 1, 2-Trichloroethane Trichlorethylene		YES YES	0	0	:	:	:	1	0	0	1	:	:	-	9:10E+00 1.75E+01	4.65E+03 8.93E+03	9.30E+02 1.79E+03	
ŀ	Vinyl Chloride P-Chloro-M-Cresol		YES	0	0	53.			-	0	0		-		-	1.42E+00		1.46E+02	2
1	2-Chlorophenol			0	0		÷		-	0	0	1 8				8.71E+01	6 13E+03	1 23E+03	
ŀ	4-Dichiorophenol 4-Dimethylphenol			0	0	:	- :			0	0		- :	:		1.72E+02 4.98E+02	1.21E+04 3.50E+04	2.42E+03 7.01E+03	
ŀ	4, 6-Dimitro-O-Cresol 2, 4-Dimitrophenol			0	0			:		0	0		- :			3.11E+03	2.19E+05	4.38E+04	
	4.5-Dinitro-2-methylphenol Dioxin (2,3,7.8-TCDD)		YES YES	0	0		:		:	0	0			:		1.65E+02 2.67E-06	8 46E+04 1.36E-05	1 69E+04 2-73E-06	
ŀ	2-Nitrophenol 4-Nitrophenol			0	0	2				0	0				3	:			
ŀ	Pentachlorophenol Phenol		YES	0	0	8.723	462 953	92.591	No	0	0	0.693	471.343	94.269	No	1.77E+00 5.00E+05	9.04E+02 3.52E+07	1.81E+02 7.04E+06	
ŀ	2, 4, 6-Trichlorophenol		YES	0	0				-	0	0					1.41E+00	7 23E+02	1.45E+02	
ŀ	Acenaphthene Acenaphthylene			0	0		-	:		0	0	:				5.79E+02	4 07E+04	8.15E+03	
	Anthracene Senzidina			0	0		-	:		0	0	:	-		:	2.33E+04 1.16E-04	1.64E+06 8 17E-03	3.29E+05 1.63E-03	
	Benzo(A)Anthracene Benzo(A)Pyrene		YE8 YES	0	0	:	-	:	-	0	0		:	:	-	1.07E-02 1.07E-02	5.45E+00 5.45E+00	1.09E+00 1.09E+00	
ŀ	Benzo(b)/llucranthene Benzo(GHi)Perylane			0	0					0	0	-		:		1.07E-00		1.50E-01	
ŀ	Benzo(K)Fluoranthene			0	0				-	0	0				-	1.07E-02	7.50E-01	1.50E-01	
ŀ	Bis (2-Chioroethoxy) Methane Bis (2-Chioroethyl)-Ether		YES	0	0	:		:	-	0	0		-	:		3.07E-01	1.57E+02	3.14E+01	
Ð	Bis (2-Chioroiso-Propyl) Ether Bis (2-Ethylhexyl) Phthalate		YES	0	0			:		0	0	:			:	3.78E+04 1.28E+03	2.68E+06 6.56E+02	5 32E+05 1 31E+02	
	4-Bromophenyl Phenyl Either Butyl Benzyl Phthalate			0	0	:	-	:		0	0	:	-	:		1,13E+03	7.94E+04	1.59E+04	
1	2-Chilaronaphthallerie 4-Chilarophenyl Phenyl Ether			σ o	0	:	-	:	:	0	0	:	:	:	:	9.045+02	6.51E+04	1 30E+04	Ŀ
ŀ	Chrysene Di-N-Butyl Phthaiate		YES	0	0	:		:		0	0		-			1.07E-02 2.62E+03	5,45E+00 1.85E+05	1.09E+00 3.69E+04	
ŀ	Di-N-Cictyl Phthalate Dibenzo(A,H)Anthracene		YES	0	0		-	-		0	0					1.07E-02	5.45€+00	1.09E+00	
ŀ	1, 2-Dichlorobenzene		1123	0	0	:				0	0	:				7.55E+02 5.62E+02	5.328+04	1 00E+04	
	3-Dichlorobenzene 4-Dichlorobenzene			0	0			:	-	0	0	:	-		1	1.12E+02	3.96E+04 7.92E+03	7 92E • 03 1 58E • 03	1
į	3. 3-Dichlerobenzidine Diethyl Phthatate		YES	0	0	:		:		0	0	:	:			1.66E-02 2.56E+04	6.50E+00 1.60E+06	1.70E+00 3.60E+05	
ŀ	Olmethyl Phthalate 2, 4-Dinitrotoluene		YES	0	0	:	:	:	1	0	0	:	:	:	:	0.48E+05 1.98E+00	4 56E+07 1 01E+03	9.13E+06 2.03E+02	
	2, 6-Dintrotoluene 1,2-Diphenylhydrazine			0	0	:		:	- 6	0	0			:		1.17E-01	6.25E+00	1.656 • 00	
ı	Endosulfan (alpha) Endosulfan (beta)		YES YES	0	0	0.22	11.676 11.876	2.335 2.335	No No	0	0	0.056	3.944 3.944	0.789	No No	5.19E+01	2.65E+04 2.65E+04	5.30E+03 5.30E+03	
ł	Eridosulfan sulfate		YES	0	0		-		-	0	0	0.036				5.19E+01 3.53E-02	2 65E+04	5.30E+03	
ŀ	Endrin Endrin Aldeyhde		YES YES	0	0	0.086	4.564	0.913	No ·	0	0	0,035	2.535	0.507	No -	1.76E-01	1.60E+01	3.61E+00 1.80E+01	
ŀ	Fluoranthene Fluorone			0	0	=1.	1111			0	0		-1			5.11E+03	5 72E • 03 2.19E • 05	1.14E+03 4.38E+04	
l	Heptochlor Heptochlor Epoxide		YES	0	0	0,52	27.697 27.697	6.519 6.519	No No	0	0	0.0038	0 268 0 268	0.054	No No	4.63E-05 2.29E-05	2.37E-02 1.17E-02	4 73E-03 2 34E-03	
ŀ	Hexachlorobenzene Hexachlorobutadiene		YES YES	0	0					0	0	- :		Ü	-	1.08E+01	8 58E-02 5 50E+03	1.72E-02 1.10E+03	
ı	Hexachlorocyclohexan (alphie) Hexachlorocyclohexan (beta)		YES YES	0	0	- 1		1	1	0	0	:	2	-1		2 856-03	1.48E+00 5.10E+00	2.91E-01 1.02E+00	
I	Hexachlorocyclohexan (gamma)		YES	0	0	10.95	50.417	10 063	No	0	0	:	: .	:		1.08E+00 6.45E+02	5.515+02 4.54E+04	1.10E+02 9.09E+03	
١	HexachlorocycloFeritadiene Hexachloroethane			0	0	-				0	0		-			1.92E+00 1.975-02	1 35E+92 5.45E+00	2.76E+01 1.09E+00	
l	Induno(1, 2, 3-CK)Pyrene Isophorone		YES	0	0	:	:	:		0	ō		:	:	:	5.872+02	3.95E+04	7 90E+03	
ŀ	Naphthalerie Nitrobenzene			0	0	:	:		:	0	0	:		:	:	4.04E+02	2.84E+04	5 59E +03	
ı	N-Nitrosodi-N-Propylamine N-Nitrosodimethylamine		YES YES	0	0	:	:	:	:	0	0	:		:	:	1.76E+00	1.51E+02 9.00E+02	3 02E +01 1 60E +02	
ŀ	N-Nitrosodiphenytamine		YES YES	0	0					0	0	0.014	0 986	0.197	No	3.50E+00 3.74E-06	1 79E+03 1 91E-02	3.58E • 02 3.60E-03	
ı	PCB-1016 PCB-1221		YES	0	0	:	:			0	0	0.014	0.986	0.197	No No	3.74E-95 3.74E-05	1 91E-02	3 82E-03 3.82E-03	
ı	PCB-1232 PCB-1242		YES YES	0	0		:	:		0	0	13.014	0.986	0.197	No.	13,74E-05	191E-02 191E-02	3.82E-03 3.82E-03	
ı	PCB-1248 PCB-1254		YES YES	0	0	:	:	:	:	0	0	0.014	0.986 0.986	0.197	No No	3.74E-05	1 91E-02	3.82E-03	
ŀ	PCS-1260 Phonanthicans		YES	0 0	ó o	:			:	0	0	10.014	0.986	0,197	No	3.74E-06	1 916-02	3.82E-03	
	Plyrene 1, 2, 4-1 rshlprobenzene			0 0	0		-		-	0	0				•	2.33E+03 4.09E+01	1 64E+06 2.68E+03	3.29E+04 5.77E+02	

Wa Wa	ste Load Allo	cation Sun	mary		
Comments Included Yes No	General Inform	nation	Information Verified By	dwt Page 1	
Receiving Stream Name	Coosa River (Neely H	Henry Lake)	Year Fil	e Was Created 2011	
Previous File Name	APPENDAGE AND	C	R: Local Na	ne (If applicable)	
Facility Name	Gadsden West Rive	er WWTP			
Previous Discharger Name	Gadsden West \	WWTP 0	r-AKA (Includes	previous (ile name).	
11 Digit HUC Code	03150106030				
12 Digit HUC Code	031501060309	Print Record	Close Form		
River Basin	Coosa				
County	Etowah				
Use Classification	F&W	Date of WL	A Response	4/6/2011	
Discharge Latitude	33.98232	Lat/Long Metho	d	GPS	
Discharge Longitude	-85.99922		Approved 1	TMDL?	
Site Visit Completed?	Yes No		V Yau	STATE VALUE	
Date of Site Visit	3/30/2011				
Waterbody Impaired?	V Yes No	Approval Da	te of TMDL	10/28/2008	
Antidegradation	☐ Yes ☑ No	Permit I	nformatio	on	
Waterbody Tier Level	Tier I		Alloon		
Use Support Category	4A	Permit Numb	er AL005	3201	
Other Point Sources?	Yes D No	Permit Statu		Active	
Sources Inclu	ded in Model		Discharger		
Sources Included In Model SOUTHSIDE LAGOON Glencoe Lagoon GADSDEN East River WWTP RAINBOW CITY LAGOON ATTALLA LAGOON Knoch/Tyson_foods Willow Point Marina		Municipal Industria Semipub Mining			
Wa	ste Load Alloc	ation Inform	nation		
Modeled Reach Length	77.6 M	les Date of A	location	10/28/2008	
Name of Model Used	WASP	Allocat	ion Type	Annual	
Model Completed by	DWT/TT	Type of Mo	del Used	Calibrated / Venified	
Allocation Developed by	Water Quality Branch				

Waste Load Allocation Summary

			C	onvention	al Paramete	ra		Other Parameters				
Annual Effluent Limits		QW	MGD	Qw	MGD	Qw[1	1.32	MGD	Qw	MGD		
		Season		Season	Season	Season Summer						
QW	11.32	MGD	From		From	Light	From	1	Apr	From		
CBOD5	20	mg/L	Through	Uren	Through	NAME OF	Through	1	Oct	Through		
NH3-N	20	mg/L	CBOD5	mg/L	CBOD5	mg/L	TP	1	mg/L	TP [mg/L	
TKN	30	mg/L	NH3-N	mg/L	NH3-N	mg/L	TN		mg/L	TN	mg/L	
D.O.	3	mg/L	TKN	mg/L	TKN	mg/L	TSS	15,11	mg/L	TSS	mg/L	
			D.O.	mg/L	D.O.	mg/L	ESSE I		mg/L	Sept.	mg/L	
"Mor	iltor	Only" Pa	arameters for	Effluent:	Paran	neter	Frequenc	Y	Parai	neter by	Frequency	
					NO2+NO3-N	Mon	thly			na ca		
					TP	Mon	thly(Nov-Ma	0	1910			
2150			V CERTIFICATION	Marie Co.			all the same		and the same	-	there were	

Water Quality Characteristics Immediately Upstream of Discharge Winter Summer Parameter CBODU mg/i mg/t NH3-N mg/l mg/l *C Temperature °C SU su pH

Hydrology at Discharge Location Drainage Area 6104 Method Used to Calculate Drainage Area sq ml Qualifier ADEM Estimate w/USGS Gage Data Stream 7Q10 1216 cfs Exact 75% of 7Q10 Stream 1Q10 912 cfs Stream 7Q2 cfs 8939 Annual Average cfs based on dam flows 1990-2002

Comments The TMDL for Neely Henry Lake sets a TP limit of (1 mg/l) for major facilities and is applied as a and/or monthly average limit for the months of April through October. TP should be monitored and Notations reported during the months of November through March.

Refer to the Coosa Lakes TMDL Report for more details. It should be noted that the Gadsden West River WWTP discharge shares a common diffuser to the Mainstern of the Coosa River with Attalla and Rainbow City.

Page 2

Last Revision: 07/15/09

Comments included Ger	neral Information		Page 1		
	nformation 'erified By	Date of MZ Respons	e 8/25/2009		
Name of Receiving Stream No	eely Henry Lake				
Previous file name:	Burn Hillia	Or-AKA (If app	licable)		
Facility Name Rain	nbow City Lagoon				
Previous Name of Discharger		Or-AKA (If app	licable)		
11 Digit HUC Code USGS 0315010603	0t	her Point Sources?	✓ Yes □ No		
12 Digit HUC Code 031501060309		Sources Included	in the Model:		
River Basin Coosa		Gadsden West WWTP			
County		Attalla Lagoon			
Use Classification F&W		Permit In	formation		
Discharge Latitude 33.97728	Print Reco	Print Record Type of Discharger Municipal Industrial Close Form Semipublic/Private			
Discharge Longitude -85.99708					
Site Visit Completed? Yes	No Close Form				
Date of Site Visit		Permit Number	AL0056839		
		Permit Status	Active		
Hydrology					
Drainage Area 6104 sq	mi Method	d Used to Calculate			
Stream 7Q10 1216 cfs		nate w/USGS Gage D	ata		
Stream 1Q10 912 cfs	MATERIAL	75%of 7Q10			
Stream 7Q2 cf	s				
Date of MZ Analysis 8/25/2009	Model Comple	ted by David	Thompson		
Discharge Design Flow 18.32	MGD	Seasonal?	☐ Yes ☑ No		
		If not seasonal, o	only the summer		
Pollutant Catego	ry	sections w			

Mixing Zone Analysis Summary - Page 2

WET Parameters

	Sum	nmer					
Acute		Chro	nic				
Ambient Streamflow	cfs	Ambient Streamflow	1216 cfs				
ZID Length	Meters	Mixing Zone Length	229 Meters				
ZID IWC	%	Mixing Zone IWC	6.2 %				
	Win	iter					
Acute		Chron	nlc				
Ambient Streamflow	cfs	Ambient Streamflow	cfs				
ZID Length	Meters	Mixing Zone Length	229 Meters				
ZID IWC	%	Mixing Zone IWC	%				
	Thermal Pa	arameters					
Summer		Winter					
Ambient Streamflow	cfs	Ambient Streamflow	cfs				
Mixing Zone Length	Meters	Mixing Zone Length	Meters				
Max. Effluent Temp	°C	Max. Effluent Temp	°C				
	Pathogen Pa	rameters					
Sumn	ner	Winter					
Ambient Streamflow	cfs	Ambient Streamflow	cfs				
ZID Length	Meters	ZID Length	Meters				
Max. Effluent Fecal Conc	Cols/100 mls	Max. Effluent Fecal Conc	Cols/100 mls				
Max. Effluent Enterococci Conc (for coastal waters)	Cols/100 mls	Max. Effluent Enterococci Conc (for coastal waters)	Cols/100 mls				
and/or Notations and Gadsden West Wand Gadsden West 1 The IWC listed above the IWC can be appropriately of Rainbow equals	/WTP. Rainbow City Lag- 1,32 mgd (for a total of 18 represents the total wast- eximated proportionally. Total (3.0/18.32)*6.2%*100	eflow. The Rainbow City Lagoon co	goon 4.0 mgd				

Last Revision: 8/30/06

If comments are made, check the "yes" box at the top of page one.

Please print or	type in the unshad	led areas only.						Form Approved. OMB No. 2040-0	086.			
FORM	L.						N AGENCY	I. EPA I.D. NUMBER				
1 CENEDAL	\$EPA	Co	onsolid	ated F	IFORMA Permits Progructions" bef	gra	am	F 110002040960		200	TA	D
GENERAL		(Acad III)	Cener	GI ITEST	ucnoss bej	071	e storring.)	1 2 GENERAL INSTRU	CTION	13	14	15
LABE	LITEMS							If a preprinted label has been designated space. Review the inform	provide	d, affin		
I. EPA I.D.	NUMBER							is incorrect, cross through it and en appropriate fill-in area below. Also, if	ter the any of	correct the pre	data i	in the
III. FACILIT	YNAME	PLEASI	E PLA	CE LA	BEL IN THI	S	SPACE	is absent (the area to the left of information that should appear), plea fill-in area(s) below. If the label is of	se pro	vide it in	the p	roper
V. FACILITY ADDRESS	Y MAILING SS							need not complete items I, III, V, a must be completed regardless). Cor has been provided. Refer to the Ins	nd VI nplete truction	(except all items as for d	VI-B is if no letailed	which label item
VI. FACILIT	Y LOCATION					w		descriptions and for the legal authordata is collected.	rization	s unde	r which	n this
II. POLLUTAN	T CHARACTERIS	TICS										
submit this for you answer "n	m and the supple o" to each questio	mental form listed in the pare	enthesi of these	s follo e forms bold-	wing the qu s. You may faced term	ar	stion. Mark "X" in the box in	the EPA. If you answer "yes" to an in the third column if the supplement excluded from permit requirement	ntal for	rm is a Section	ittache on C o	ed. If
	SPECIFIC QU	JESTIONS	YES	NO	FORM ATTACHED	1	SPECIFIC	C QUESTIONS	YES	NO	FO	RM
		ned treatment works which ers of the U.S.? (FORM 2A)	×		X	3	B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a			×	AllA	CHED
			16	17	18	1	discharge to waters of the U.S.? (FORM 2B)		19	20	2	21
	he U.S. other tha	ity results in discharges to in those described in A or B		X		1	D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)			X		
	Commission A	reat, store, or dispose of	22	23	24	F	Comment of the Commen	ject at this facility industrial or	25	26	2	27
	wastes? (FORM:			×			municipal effluent below the lowermost stratun containing, within one quarter mile of the well bore underground sources of drinking water? (FORM 4)			X		
G. Do you or w	vill you inject at this	s facility any produced water	28	29	30	ŀ		et at this facility fluids for special	31	312	3	33
or other fit connection inject fluids gas, or inje	uids which are with conventional used for enhance	brought to the surface in oil or natural gas production, ed recovery of oil or natural age of liquid hydrocarbons?		×			processes such as mining of sulfur by the Frasch process solution mining of minerals, in situ combustion of fossi fuel, or recovery of geothermal energy? (FORM 4)			×		
(FORM 4)			34	35	36	1			37	38	3	19
of the 28 inc which will p pollutant rec	dustrial categories potentially emit 10	tionary source which is one listed in the instructions and 00 tons per year of any air Clean Air Act and may affect	40	×	42	,	J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area?			×		15
Of De locate	a in an attainment	area: (r Ortin of				L	(FORM 5)	ocated in all administrations area:	43			- 10
	FACILITY					Ų		And the				
C SKIP G	adsden Wes	st River WWTP		5 5	89 1	_			69			
IV. FACILITY	CONTACT						THE SECTION				19,5	
		A. NAME & TITLE (last		-				B. PHONE (area code & no.)				
2 Mike I	ankford,	Superintendent	of I	Envi	ronmer	nt	al Services	(256) 543-2884				
15 16 V FACU TV AA	AH INC ADDRESS				-		45	46 49 49 51 52 5	5			
V.FACILIT MA	AILING ADDRESS	A STREET OR P	O. BO	X			7.00					
0	Box 800		П	1 1								
15 16		B. CITY OR TOWN	0			_	C. STATE	D. ZIP CODE				
Gadsde	en III		d		111	-		5902				
VI. FACILITY	LOCATION		-				40 41 42 47	51	-		-	
VI. TAGILITI		REET, ROUTE NO. OR OTHE	R SPE	CIFIC	IDENTIFIE	R			_		-	
5 2000 W	Vills Cree		П	TT	111							
15 16		B. COUNTY	NAN	חו	CE	V	5		-			
Etowah 46		B. COONTY	T. OAL	N	1011	+ 6		70				
	_1	C. CITY OR TOWN	7		AUA 1	ð		E. ZIP CODE F. COUNTY CO		f know)	7)	
6 Gadsde				ND	MUN	B	BRANCH & 47		-54	70		
EPA Form 3510	1-1 (8-90)									JE ON	REVE	ERSE

CONTINUED FROM THE FRONT VII. SIC CODES (4-digit, in order of priority)	a tolonia a constant	and the latest and th	and the same of the sales into
A. FIRST			B. SECOND
7 4952 Sewerage System	7 N/A	(specify) N/A	711
C. THIRD C (specify) 7 N/A N/A	7 N/A	(specify)	D. FOURTH
15 16 19 VIII. OPERATOR INFORMATION	15 16	19	A STATE OF THE STA
The Water Works & Sewer Board of			B. Is the name listed in Item VIII-A also the owner? Z YES □ NO
C. STATUS OF OPERATOR (Enter the appr	opriate letter into the answer box: (specify)	if "Other," specify.)	D. PHONE (area code & no.)
F = FEDERAL S = STATE P = PRIVATE M = PUBLIC (other than federal O = OTHER (specify)	or state) M Municipality		A (256) 543-2884
E. STREET OR P.O. BOX P. O. Box 800		11	
26		56	2 CODE IN INDIAN LAND
F. CITY OR TOWN B Gadsden			P CODE IX. INDIAN LAND Is the facility located on Indian lands?
X. EXISTING ENVIRONMENTAL PERMITS			0.0
A. NPDES (Discharges to Surface Water) C T	D. PSD (Air Emissions from P N/A	Proposed Sources)	
	16 17 18	E OTHER (
B. UIC (Underground Injection of Fluids)	T N/A	E. OTHER (spe	(specify)
3 3	16 17 18	30	N/A
C. RCRA (Hazardous Wastes)		E. OTHER (spec	
9 R N/A 9	N/A		(specify) N/A
15 16 17 18 30 15 XI MAP	16 17 18	30	
Attach to this application a topographic map of the area extend location of each of its existing and proposed intake and discharginjects fluids underground. Include all springs, rivers, and other st	e structures, each of its hazard	ous waste treatment, stor	age, or disposal facilities, and each well where it
XII. NATURE OF BUSINESS (provide a brief description) Municipal wastewater treatment plant, which	provides treatment	of regidential c	ommercial and industrial
wastewater for residents and businesses in			
	december .		
XIII. CERTIFICATION (see instructions) I certify under penalty of law that I have personally examined an inquiry of those persons immediately responsible for obtaining the am aware that there are significant penalties for submitting false in	e information contained in the	application, I believe that t	he information is true, accurate, and complete. I
A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	7/	C. DATE SIGNED
Chad Hare, PE, General Manager	(1)4	Andrew C	11/3/16
COMMENTS FOR OFFICIAL USE ONLY C C			

FACILITY NAME AND PERMIT NUMBER:

Gadsden West River WWTP, AL0053201

FORM 2A NPDES

NPDES FORM 2A APPLICATION OVERVIEW

APPLICATION OVERVIEW

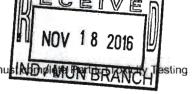
Form 2A has been developed in a modular format and consists of a "Basic Application Information" packet and a "Supplemental Application Information" packet. The Basic Application Information packet is divided into two parts. All applicants must complete Parts A and C. Applicants with a design flow greater than or equal to 0.1 mgd must also complete Part B. Some applicants must also complete the Supplemental Application Information packet. The following items explain which parts of Form 2A you must complete.

BASIC APPLICATION INFORMATION:

- A. Basic Application Information for all Applicants. All applicants must complete questions A.1 through A.8. A treatment works that discharges effluent to surface waters of the United States must also answer questions A.9 through A.12.
- B. Additional Application Information for Applicants with a Design Flow ≥ 0.1 mgd. All treatment works that have design flows greater than or equal to 0.1 million gallons per day must complete questions B.1 through B.6.
- C. Certification. All applicants must complete Part C (Certification).

SUPPLEMENTAL APPLICATION INFORMATION:

- D. Expanded Effluent Testing Data. A treatment works that discharges effluent to surface waters of the United States and meets one or more of the following criteria must complete Part D (Expanded Effluent Testing Data):
 - 1. Has a design flow rate greater than or equal to 1mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to provide the information.
- E. Toxicity Testing Data. A treatment works that meets one or more of the following criteria multiple Data):
 - Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to submit results of toxicity testing.
- F. Industrial User Discharges and RCRA/CERCLA Wastes. A treatment works that accepts process wastewater from any significant industrial users (SIUs) or receives RCRA or CERCLA wastes must complete Part F (Industrial User Discharges and RCRA/CERCLA Wastes). SIUs are defined as:
 - All industrial users subject to Categorical Pretreatment Standards under 40 Code of Federal Regulations (CFR) 403.6 and 40 CFR Chapter I, Subchapter N (see instructions); and
 - 2. Any other industrial user that:
 - Discharges an average of 25,000 gallons per day or more of process wastewater to the treatment works (with certain exclusions); or
 - b. Contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the treatment plant; or
 - c. Is designated as an SIU by the control authority.
- G. Combined Sewer Systems. A treatment works that has a combined sewer system must complete Part G (Combined Sewer Systems).



ALL APPLICANTS MUST COMPLETE PART C (CERTIFICATION)

	LITY NAME AND PERMIT dsden West River V		Form Approved 1/14/9 OMB Number 2040-008
ВА	SIC APPLICATION	INFORMATION	
PAF	RT A. BASIC APPLICA	TION INFORMATION FOR ALL API	PLICANTS:
All tr	eatment works must comp	plete questions A.1 through A.8 of this Ba	sic Application Information Packet.
A.1.	Facility Information.		•
	Facility Name	Gadsden West River Wastewater Trea	tment Plant
	Mailing Address	P.O. Box 800	
		Gadsden, AL 35902-0800	
	Contact Person	Mike Lankford	
	Title	Superintendent of Environmental Servi	ces
	Telephone Number	(256) 543-2884,	
	Facility Address	2000 Wills Creek Road	
	(not P.O. Box)	Gadsden, AL 35904	
A.2.	,	the applicant is different from the above, pro-	ovide the following:
	Applicant Name	The Water Works & Sewer Board of the	e City of Gadsden, Alabama
	Mailing Address	P.O. Box 800	
		Gadsden, AL 35902-0800	
	Contact Conse		
	Contact Person	Chad Hare, PE	
	Title	General Manager	
	Telephone Number	(256) 543-2884	
	is the applicant the owner	or operator (or both) of the treatment works?	
		□ operator	
	Indicate whether correspor	ndence regarding this permit should be direc	eted to the facility or the applicant.
] applicant	
A.3.	Existing Environmental P (include state-issued permit		existing environmental permits that have been issued to the treatment works
	NPDES ALOOS	3201	PSD
	UIC		Other
	RCRA		Other
A .4.	Collection System Inform	nation. Provide information on municipalitie e information on the type of collection syste	s and areas served by the facility. Provide the name and population of om (combined vs. separate) and its ownership (municipal, private, etc.).

Name	Population Served	type of Collection System	Ownership
Gadsden, West	20,000	Separate	Municipal
Total population served	20,000		

FACILITY NAME AND PERMIT NUMBER:

Gadsden West River WWTP, AL0053201

A.5.	India	an Country.				
	a.	Is the treatment works located in Indian Countr	y?			
		☐ Yes				
	b.	Does the treatment works discharge to a receive through) Indian Country?	ing water that is either in Indian C	Country or that is i	upstream from (and	d eventually flows
		☐ Yes				
A.6.	aven	 Indicate the design flow rate of the treatment plage daily flow rate and maximum daily flow rate for the 12th month of "this year" occurring no more th 	or each of the last three years. Ea	ach year's data m		
	a.	Design flow rate 11.320 mgd				
			Two Years Ago(9/13-8/14)	Last Year(9/1	4-8/15)	This Year(9/15-8/16)
	b.	Annual average daily flow rate	6.780	6.658		6.688
	C.	Maximum daily flow rate	14.117	16.431		14.948
A.7.		ection System. Indicate the type(s) of collection	system(s) used by the treatment	plant. Check all t	hat apply. Also es	limate the percent
	contr	ribution (by miles) of each.			400	%
		Separate sanitary sewer Combined storm and socitory sewer ■			100	
A 0	Dies	Combined storm and sanitary sewer				
A.8.	a.	harges and Other Disposal Methods. Does the treatment works discharge effluent to	waters of the U.S.2	⊠ Yes	□ No	
	ч.	If yes, list how many of each of the following typ			Д 110	
			or a comange pointe and a comm			
		i. Discharges of treated effluent		<u>1</u>		_
		ii. Discharges of untreated or partially treate	ed effluent	_		
		iii. Combined sewer overflow points		_		
		iv. Constructed emergency overflows (prior	o the headworks)	_		
		v. Other <u>N/A</u>				
	b.	Does the treatment works discharge effluent to that do not have outlets for discharge to waters		npoundments	⊠ No	
		If yes, provide the following for each surface im		□ 162	⊠ NO	•
		Location: N/A				
		Annual average daily volume discharge to surfa	. , ,			mgd
		Is discharge Continuous or			☐ Yes	⊠ No
	C.	Does the treatment works land-apply treated was lf yes, provide the following for each land applic			∐ res	⊠ NO
		il yes, provide the following to each faile applic	auton site.			
		Location: N/A				
		Number of acres:				
		Annual average daily volume applied to site:			mgd	
		Is land application	is or intermittent?			
	d.	Does the treatment works discharge or transport reatment works?	t treated or untreated wastewater	to another	☐ Yes	⊠ No

FACILITY NAME AND PERMIT NUMBER:

Gadsden West River WWTP, AL0053201

N/A		
If transport is by a part	other than the applicant, provide:	
Transporter Name	N/A	
Mailing Address		
Contact Person	N/A	
Title		
Telephone Number	(
For each treatment wo	ks that receives this discharge, provide the following:	
Name	N/A	
Mailing Address		
Contact Person	N/A	
Title		
Telephone Number	(
If known, provide the N	PDES permit number of the treatment works that receives this discharge _	
Provide the average da	ily flow rate from the treatment works into the receiving facility.	mgd
	ks discharge or dispose of its wastewater in a manner not included ove (e.g., underground percolation, well injection):	es 🛛 No
If yes, provide the follo	ving for each disposal method:	
Description of method	including location and size of site(s) if applicable):	
N/A		
Annual daily volume di	posed by this method:	
Is disposal through this	method	

WASTEWATER DISCHARGES:

If you answered <u>"Yes" to question A.8.a</u>, complete <u>questions A.9 through A.12 once for each outfall</u> (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered <u>"No" to question A.8.a</u>, go to <u>Part B</u>, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

A.9.	Desc	ription of Outfall.					
	a.	Outfall number	001		_		
	b.	Location	Gadsden (City or town, if applicable)				35904 (Zip Code)
			Etowah				AL
			(County)				(State)
			33d 58m 55s				86d 00m 00s
			(Latitude)				(Longitude)
	C.	Distance from sho	re (if applicable)		235		_ ft.
	d.	Depth below surface	ce (if applicable)		30		_ ft.
	e.	Average daily flow	rate		6.710		_ mgd
	f.	Does this outfall ha	ave either an intermittent or a	periodic discharge?	☐ Yes	⊠ No (g	go to A.9.g.)
		If yes, provide the	following information:				
		Number f times pe	r year discharge occurs:				-
		Average duration of	of each discharge:				-
		Average flow per d	lischarge:				_ mgd
		Months in which di	scharge occurs:				-
	g.	Is outfall equipped	with a diffuser?			☐ No	
A.10.	Desci	ription of Receivin	g Waters.				
	a.	Name of receiving	water	Coosa River			
	b.	Name of watershe	d (if known)	Middle Coosa (Neely	Henry Lake)		
		United States Soil	Conservation Service 14-digit	watershed code (if know	m):		
	C.	Name of State Ma	nagement/River Basin (if knov	vn):			
		United States Geol	logical Survey 8-digit hydrolog	ic cataloging unit code (i	f known):		03150106
	d.	Critical low flow of	receiving stream (if applicable	·)			
		acute		cfs	chronic <u>1140</u>		cfs
	e.	Total hardness of r	receiving stream at critical low	flow (if applicable): N/A			mg/l of CaCO₃

	What level of treatment are provided? Check all that apply.									
	☐ Primary ☐ Secondary									
	Advanced Other. Describe:									
b.	Indicate the following removal rates (as applicable):									
	Design BOD5 removal or Design CBOD5 removal	<u>65</u>		%						
	Design SS removal	65		%						
	Design P removal			%						
	Design N removal			%						
	Other			%						
c.	What type of disinfection is used for the effluent from this outfall? If disinfection varies by season, please describe:									
	Chlorination									
	If disinfection is by chlorination is dechlorination used for this outfall?	☐ Yes	⊠ No							
	Does the treatment plant have post aeration?		□ No							
		S must provide efflue								
	rent Testing Information. All Applicants that discharge to waters of the Usumeters. Provide the indicated effluent testing required by the permitting									

PARAMETER	MAXIMUM D	AILY VALUE	AVERAGE DAILY VALUE					
PARAMETER	Value	Units	Value	Units	Number of Samples			
pH (Minimum)	6.23	s.u.						
pH (Maximum)	7.71	s.u.						
Flow Rate	16.43	MGD	6.710	MGD	1,095			
Temperature (Winter)	21.9	°c	15.6	°c	157			
Temperature (Summer)	27.0	°c	23.5	°c	158			

* For pH please report a minimum and a maximum daily value **MAXIMUM DAILY AVERAGE DAILY DISCHARGE** DISCHARGE ANALYTICAL **POLLUTANT** ML/MDL **METHOD** Number of Units Conc. Units Conc. Samples CONVENTIONAL AND NON CONVENTIONAL COMPOUNDS BOD5 **BIOCHEMICAL OXYGEN DEMAND** (Report one) CBOD5 28.7 mgL 7.3 mg/L 312 SM5210-B 0.2 E. COLI MPN MPN 2,420 8.5 312 SM9223-B <1 TOTAL SUSPENDED SOLIDS (TSS) 62.0 mg/L 10.6 mg/L 312 SM2540-D >1

END OF PART A.

REFER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS

OF FORM 2A YOU MUST COMPLETE

FACILITY NAME AND PERMIT NUMBER: Gadsden West River WWTP, AL0053201

BASIC APPLICATION INFORMATION

DAD		ADDITIONAL A	APPLICATION INFORMATION FOR APPLICANTS WITH A DESIGN FLOW OPERATER THAN OP
PAR	H	min a second and a second as a second	APPLICATION INFORMATION FOR APPLICANTS WITH A DESIGN FLOW GREATER THAN OR MGD (100,000 gallons per day).
All ap	pli	cants with a design flow	rate ≥ 0.1 mgd must answer questions B.1 through B.6. All others go to Part C (Certification).
B .1.	In	flow and Infiltration. Est	imate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration.
	<u>5(</u>	00,000	gpd
	Br	riefly explain any steps und	derway or planned to minimize inflow and infiltration.
	<u>O</u>	lder areas of system I	nave experienced rehabilitation. Point repairs, manhole repairs, and other rehabilitation
	<u>ar</u>	re ongoing as part of o	our inspection and sanitary sewer rehabilitation emphasis.
B.2.	ma		to this application a topographic map of the area extending at least one mile beyond facility property boundaries. This of the facility and the following information. (You may submit more than one map if one map does not show the entire
	a.	The area surrounding th	e treatment plant, including all unit processes.
	b.		r structures through which wastewater enters the treatment works and the pipes or other structures through which scharged from the treatment plant. Include outfalls from bypass piping, if applicable.
	c.	Each well where wastev	vater from the treatment plant is injected underground.
	d.		face water bodies, and drinking water wells that are: 1) within 1/4 mile of the property boundaries of the treatment ublic record or otherwise known to the applicant.
	e.	Any areas where the se	wage sludge produced by the treatment works is stored, treated, or disposed.
	f.		eceives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, the map where the hazardous waste enters the treatment works and where it is treated, stored, and/or disposed.
B.3.	ba ch	ckup power sources or re- dorination and dechlorinati	Schematic. Provide a diagram showing the processes of the treatment plant, including all bypass piping and all dunancy in the system. Also provide a water balance showing all treatment units, including disinfection (e.g., on). The water balance must show daily average flow rates at influent and discharge points and approximate daily flow ts. Include a brief narrative description of the diagram.
B.4.	O	peration/Maintenance Pe	erformed by Contractor(s).
			tenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a Yes 🔀 No
		yes, list the name, address iges if necessary).	s, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional
	Na	ame:	N/A
	Ma	ailing Address:	
	Te	elephone Number:	(
	Re	esponsibilities of Contracto	or:
B .5.	un tre	completed plans for impro	and Schedules of Implementation. Provide information on any uncompleted implementation schedule or prements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the different implementation schedules or is planning several improvements, submit separate responses to question B.5 stion B.6.) NONE
	a.	List the outfall numbe	r (assigned in question A.9) for each outfall that is covered by this implementation schedule.
		<u>N/A</u>	
	b.		planned improvements or implementation schedule are required by local, State, or Federal agencies. No

FACILITY NAME AND PERMIT NUMBER:

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T	C.	If the answer to B.5.b is "Yes," briefly describe, incl	luding new maximum daily in	nflow rate (if applicable).
		N/A		
	d.		ntly of local, State, or Federa	pletion for the implementation steps listed below, as all agencies, indicate planned or actual completion dates, as
			Schedule	Actual Completion
		Implementation Stage	MM/DD/YYYY	MM/DD/YYYY
		- Begin Construction		
		- End Construction		
		- Begin Discharge		
		- Attain Operational Level		
	e.	Have appropriate permits/clearances concerning of	ther Federal/State requireme	ents been obtained?
		Describe briefly: N/A		

B.6. EFFLUENT TESTING DATA (GREATER THAN 0.1 MGD ONLY).

Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combine sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum effluent testing data must be based on at least three pollutant scans and must be no more than four and on-half years old.

Outfall Number: 001

POLITANT		M DAILY HARGE	AVERA	GE DAILY DIS	ANALYTICAL	BALL/BADI	
POLLUTANT	Conc.	Units	Conc.	Units	Number of Samples	METHOD	ML/MDL
CONVENTIONAL AND NON C	ONVENTIONAL	COMPOUNDS	Ja				
AMMONIA (as N)	23.5	mg/L	6.58	mg/L	312	EPA 351.2	0.015
CHLORINE (TOTAL RESIDUAL, TRC)	1.0	mg/L	0.691	mg/L	1095	SM4500-Cl G	0.01
DISSOLVED OXYGEN	12.4	mg/L	7.6	mg/L	1095	SM4500-OG	0.2
TOTAL KJELDAHL NITROGEN (TKN)	32.4	mg/L	9.07	mg/L	312	EPA 351.2	0.2
NITRATE PLUS NITRITE NITROGEN	9.0	mg/L	4.4	mg/L	312	EPA 353.2	0.015
OIL and GREASE	5.7	mg/L	3.3	mg/L	3	E1664	1.0
PHOSPHORUS (Total)	2.48	mg/L	1.21	mg/L	312	SM4500-P B,5	0.02
TOTAL DISSOLVED SOLIDS (TDS)	564	mg/L	444	mg/L	3	M2540 C	1.0
OTHER							

END OF PART B.

REFER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS

OF FORM 2A YOU MUST COMPLETE

FACILITY NAME AND PERMIT NUMBER:

Gadsden West River WWTP, AL0053201

BASIC APPLICATION INFORMATION

PART C. CERTIFICATION

All applicants must complete the Certification Section. Refer to instructions to determine who is an officer for the purposes of this certification. All applicants must complete all applicable sections of Form 2A, as explained in the Application Overview. Indicate below which parts of Form 2A you have completed and are submitting. By signing this certification statement, applicants confirm that they have reviewed Form 2A and have completed all sections that apply to the facility for which this application is submitted.

Indicate which	parts of Form	2A vou have	completed and	are submitting:

Supplemental Application Information packet:

Part D (Expanded Effluent Testing Data)

Part E (Toxicity Testing: Biomonitoring Data)

Part F (Industrial User Discharges and RCRA/CERCLA Wastes)

☐ Part G (Combined Sewer Systems)

ALL APPLICANTS MUST COMPLETE THE FOLLOWING CERTIFICATION.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official title

Chad Hare, PE, General Manager

Signature

256) 543-2884

Telephone number

1/2/11

Date signed

Upon request of the permitting authority, you must submit any other information necessary to assure wastewater treatment practices at the treatment works or identify appropriate permitting requirements.

SEND COMPLETED FORMS TO:

ADEM
Permit Division
P.O. Box 301463

Montgomery, AL 36130-1463

SUPPLEMENTAL APPLICATION INFORMATION

PART D. EXPANDED EFFLUENT TESTING DATA

Refer to the directions on the cover page to determine whether this section applies to the treatment works.

Effluent Testing: 1.0 mgd and Pretreatment Works. If the treatment works has a design flow greater than or equal to 1.0 mgd or it has (or is required to have) a pretreatment program, or is otherwise required by the permitting authority to provide the data, then provide effluent testing data for the following pollutants. Provide the indicated effluent testing information and any other information required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analyses conducted using 40 CFR Part 136 methods. In addition, these data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. Indicate in the blank rows provided below any data you may have on pollutants not specifically listed in this form. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall number: 001 (Complete once for each outfall discharging effluent to waters of the United States.)

	MAXIM	UM DAIL	Y DISCH	IARGE	AVERAGE DAILY DISCHARGE						
POLLUTANT	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/MDL
METALS (TOTAL RECOVE	ERABLE), C	YANIDE, F	HENOLS,	AND HAR	DNESS.						
ANTIMONY	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E200.9	0.005
ARSENIC	<0.001	mg/L	<0.137	lbs/day	<0.001	mg/L	<0.056	lbs/day	3	E200.9	0.001
BERYLLIUM	<0.001	mg/L	<0.137	lbs/day	<0.001	mg/L	<0.056	lbs/day	3	E200.7	0.001
CADMIUM	<0.001	mg/L	<0.137	lbs/day	<0.001	mg/L	<0.056	lbs/day	3	E200.7	0.001
CHROMIUM	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E200.7	0.010
COPPER	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E200.7	0.010
LEAD	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E200.7	0.005
MERCURY	<0.012	ug/L	<0.002	lbs/day	<0.0087	ug/L	<0.000	lbs/day	3	E1631	0.40
NICKEL	<0.050	mg/L	<6.852	lbs/day	<0.050	mg/L	<2.798	lbs/day	3	E200.7	0.050
SELENIUM	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E200.9	0.005
SILVER	<0.001	m g /L	<0.137	lbs/day	<0.001	mg/L	<0.056	lbs/day	3	E200.9	0.001
THALLIUM	<0.001	mg/L	<0.137	lbs/day	<0.001	mg/L	<0.056	lbs/day	3	E200.9	0.001
ZINC	<0.050	mg/L	<6.852	lbs/day	<0.050	mg/L	<2.798	lbs/day	3	E200.7	0.050
CYANIDE	0.011	mg/L	0.288	lbs/day	0.004	mg/L	0.224	lbs/day	3	M4500-CN CE	0.010
TOTAL PHENOLIC COMPOUNDS	<0.10	mg/L	<13.703	lbs/day	<0.10	mg/L	<5.595	lbs/day	3	M5330 BD 2005	0.10
HARDNESS (as CaCO3)	128	mg/L	<17540	lbs/day	122	mg/L	<6845	lbs/day	3	E200.7	1.00
Use this space (or a separa	te sheet) to p	provide info	ormation or	other met	als requeste	ed by the p	ermit write	r			

	MAXIN	IUM DAI	MAXIMUM DAILY DISCHARGE					DISCHA	RGE		TO THE
POLLUTANT	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/MDL
VOLATILE ORGANIC COM	POUNDS		Lewis								
ACROLEIN	<0.100	mg/L	<13.703	lbs/day	<0.100	mg/L	<5.595	ibs/day	3	E624	0.100
ACRYLONITRILE	<0.100	mg/L	<13.703	lbs/day	<0.100	mg/L	<5.595	lbs/day	3	E624	0.100
BENZENE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
BROMOFORM	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
CARBON TETRACHLORIDE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
CHLOROBENZENE	<0.005	mg/L	<0.685	ibs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
CHLORODIBROMO- METHANE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
CHLOROETHANE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E624	0.010
2-CHLOROETHYLVINYL ETHER	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E624	0.010
CHLOROFORM	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
DICHLOROBROMO- METHANE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
1,1-DICHLOROETHANE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
1,2-DICHLOROETHANE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
TRANS-1,2-DICHLORO- ETHYLENE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
1,1-DICHLORO- ETHYLENE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
1,2-DICHLOROPROPANE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
1,3-DICHLORO- PROPYLENE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
ETHYLBENZENE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
METHYL BROMIDE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E624	0.010
METHYL CHLORIDE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
METHYLENE CHLORIDE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
1,1,2,2-TETRA- CHLOROETHANE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
TETRACHLORO- ETHYLENE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
TOLUENE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005

Outfall number: 001	MAXIM		Y DISCH	-				DISCHAF	of the United	Harris III	
POLLUTANT	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/MDL
1,1,1- TRICHLOROETHANE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
1,1,2- TRICHLOROETHANE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
TRICHLOROETHYLENE	<0.005	mg/L	<0.685	lbs/day	<0.005	mg/L	<0.280	lbs/day	3	E624	0.005
VINYL CHLORIDE	<0.002	mg/L	<0.274	lbs/day	<0.002	mg/L	<0.112	lbs/day	3	E624	0.002
Use this space (or a separat	e sheet) to p	provide inf	omation o	n other vola	tile organic	compoun	ds requeste	ed by the pe	ermit writer		
ACID-EXTRACTABLE COM	 POUNDS										
	<0.010	mail	<1.370	lbs/day	<0.010	ma/l	<0.560	lbs/day	3	E625	0.010
P-CHLORO-M-CRESOL	<0.010	mg/L	<1.370	ibs/day	<0.010	mg/L	<0.560	IDS/Uay		E025	0.010
2-CHLOROPHENOL	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
2,4-DICHLOROPHENOL	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
2,4-DIMETHYLPHENOL	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
4,6-DINITRO-O-CRESOL	<0.050	mg/L	<6.852	lbs/day	<0.050	mg/L	<2.798	lbs/day	3	E625	0.050
2,4-DINITROPHENOL	<0.050	mg/L	<6.852	lbs/day	<0.050	mg/L	<2.798	lbs/day	3	E625	0.050
2-NITROPHENOL	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
4-NITROPHENOL	<0.050	mg/L	<6.852	lbs/day	<0.050	mg/L	<2.798	lbs/day	3	E625	0.050
PENTACHLOROPHENOL	<0.025	mg/L	<3.426	lbs/day	<0.025	mg/L	<1.399	lbs/day	3	E625	0.025
PHENOL	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
2,4,6- TRICHLOROPHENOL	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
Use this space (or a separat	e sheet) to p	provide inf	ormation or	n other acid	t-extractable	compour	nds request	ted by the p	ermit writer	1	
BASE-NEUTRAL COMPO	DUNDS	1	1	1		1					i
ACENAPHTHENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
ACENAPHTHYLENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
ANTHRACENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
BENZIDINE	<0.050	mg/L	<6.852	lbs/day	<0.050	mg/L	<2.798	lbs/day	3	E625	0.050
BENZO(A)ANTHRACENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
BENZO(A)PYRENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010

(Complete once for each outfall discharging effluent to waters of the United States.) Outfall number: 001 **MAXIMUM DAILY DISCHARGE AVERAGE DAILY DISCHARGE** ANALYTICAL Number ML/MDL **POLLUTANT METHOD** Units Units of Conc. Units Mass Units Conc. Mass Samples 3.4 BENZO-<0.010 mg/L <1.370 lbs/day <0.010 mg/L < 0.560 lbs/day 3 F625 0.010 **FLUORANTHENE** 3 0.010 BENZO(GHI)PERYLENE <0.010 <1.370 lbs/day <0.010 mg/L < 0.560 lbs/day E625 mg/L BENZO(K) < 0.010 mg/L <1.370 lbs/day < 0.010 mg/L < 0.560 lbs/day 3 E625 0.010 FLUORÀNTHENE BIS (2-CHLOROETHOXY) <0.010 3 E625 0.010 mg/L <1.370 lbs/day <0.010 mg/L <0.560 lbs/day **METHANE** BIS (2-CHLOROETHYL)-<0.010 < 1.370 lbs/day < 0.010 mg/L < 0.560 lbs/day 3 E625 0.010 mg/L ETHER BIS (2-CHLOROISO-0.010 <0.010 mg/L <1.370 lbs/day < 0.010 mg/L < 0.560 lbs/day 3 E625 PROPYL) ETHER BIS (2-ETHYLHEXYL) 3 E625 0.010 <0.010 mg/L <1.370 lbs/day <0.010 mg/L < 0.560 lbs/day PHTHALATE 4-BROMOPHENYL <0.010 <1.370 lbs/day < 0.010 < 0.560 3 E625 0.010 mg/L ma/L lbs/day PHENYL ETHER BUTYL BENZYL 0.010 <0.010 mg/L <1.370 lbs/day <0.010 mg/L < 0.560 lbs/day 3 E625 **PHTHALATE** 2-CHLORO-<0.010 mg/L <1.370 lbs/day <0.010 mg/L <0.560 lbs/day 3 E625 0.010 NAPHTHALENE 4-CHLORPHENYL 3 E625 0.010 <0.010 mg/L < 0.010 < 0.560 <1.370 lbs/day mg/L lbs/day PHENYL ETHER 3 0.010 CHRYSENE < 0.010 mg/L <1.370 lbs/day < 0.010 mg/L < 0.560 lbs/day E625 lbs/day DI-N-BUTYL PHTHALATE < 0.010 mg/L <1.370 lbs/day <0.010 mg/L < 0.560 3 E625 0.010 DI-N-OCTYL PHTHALATE <0.010 mg/L <1.370 lbs/day < 0.010 mg/L < 0.560 lbs/day 3 F625 0.010 DIBENZO(A,H) E625 0.010 < 0.560 3 <0.010 mg/L <1.370 lbs/day < 0.010 mg/L lbs/day **ANTHRACENE** 0.005 3 E624 1,2-DICHLOROBENZENE < 0.005 mg/L < 0.685 lbs/day < 0.005 mg/L < 0.280 lbs/day 3 0.005 1.3-DICHLOROBENZENE < 0.005 < 0.685 lbs/day < 0.010 mg/L < 0.280 lbs/day E624 mg/L 0.005 3 F624 1,4-DICHLOROBENZENE < 0.005 mg/L < 0.685 lbs/day < 0.010 mg/L < 0.280 lbs/dav 3,3-DICHLOROlbs/day < 0.020 3 E625 0.020 <0.020 mg/L < 2.741 ma/L < 1.119 lbs/day **BENZIDINE** < 0.010 lbs/day 3 E625 0.010 <0.010 <1.370 lbs/day mg/L < 0.560 DIETHYL PHTHALATE mg/L <0.010 3 E625 0.010 DIMETHYL PHTHALATE <0.010 mg/L <1.370 lbs/day mg/L < 0.560 lbs/day lbs/day 0.010 <0.010 <1.370 <0.010 mg/L < 0.560 lbs/day 3 E625 2,4-DINITROTOLUENE mg/L 0.010 2,6-DINITROTOLUENE <0.010 mg/L <1.370 lbs/day < 0.010 mg/L < 0.560 lbs/day 3 E625 1.2-DIPHENYL-E625 0.050 <0.050 mg/L <6.852 lbs/day < 0.050 mg/L <2.798 lbs/day 3 HYDRAZINE

Outfall number: 001 (Complete once for each outfall discharging effluent to waters of the United States.)

	MAXIMUM DAILY DISCHARGE			AVERAGE DAILY DISCHARGE				LOUIS DE			
POLLUTANT	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/MDL
FLUORANTHENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
FLUORENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
HEXACHLOROBENZENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
HEXACHLORO- BUTADIENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
HEXACHLOROCYCLO- PENTADIENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
HEXACHLOROETHANE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
INDENO(1,2,3-CD) PYRENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
ISOPHORONE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
NAPHTHALENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
NITROBENZENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
N-NITROSODI-N- PROPYLAMINE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
N-NITROSODI- METHYLAMINE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
N-NITROSODI- PHENYLAMINE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
PHENANTHRENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
PYRENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
1,2,4- FRICHLOROBENZENE	<0.010	mg/L	<1.370	lbs/day	<0.010	mg/L	<0.560	lbs/day	3	E625	0.010
Jse this space (or a separate	e sheet) to p	provide info	ormation or	other base	e-neutral co	mpounds	requested	by the perm	nit writer		
les this same (a abast\ t-				-ta-t- (: :		X				
Jse this space (or a separate	aneer) to p	Jovide IIII	ninau011 Of	ouler polit	itanis (e.g.,	pesticides) requeste	a by the per	mit writer		

END OF PART D.

REFER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS

OF FORM 2A YOU MUST COMPLETE

SUPPLEMENTAL APPLICATION INFORMATION

PART E. TOXICITY TESTING DATA

POTWs meeting one or more of the following criteria must provide the results of whole effluent toxicity tests for acute or chronic toxicity for each of the facility's discharge points: 1) POTWs with a design flow rate greater than or equal to 1.0 mgd; 2) POTWs with a pretreatment program (or those that are required to have one under 40 CFR Part 403); or 3) POTWs required by the permitting authority to submit data for these parameters.

- At a minimum, these results must include quarterly testing for a 12-month period within the past 1 year using multiple species (minimum of two
 species), or the results from four tests performed at least annually in the four and one-half years prior to the application, provided the results
 show no appreciable toxicity, and testing for acute and/or chronic toxicity, depending on the range of receiving water dilution. Do not include
 information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted
 using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC
 requirements for standard methods for analytes not addressed by 40 CFR Part 136.
- In addition, submit the results of any other whole effluent toxicity tests from the past four and one-half years. If a whole effluent toxicity test
 conducted during the past four and one-half years revealed toxicity, provide any information on the cause of the toxicity or any results of a
 toxicity reduction evaluation, if one was conducted.
- If you have already submitted any of the information requested in Part E, you need not submit it again. Rather, provide the information
 requested in question E.4 for previously submitted information. If EPA methods were not used, report the reasons for using alternate methods.
 If test summaries are available that contain all of the information requested below, they may be submitted in place of Part E.

If test summaries are available If no biomonitoring data is required, do n complete.	that contain all of the information reques not complete Part E. Refer to the Applica					
E.1. Required Tests.						
Indicate the number of whole efflu	ent toxicity tests conducted in the past for	our and one-half years.				
⊠ chronic ☐ acut	е					
E.2. Individual Test Data. Complete the following chart for each whole effluent toxicity test conducted in the last four and one-half years. Allow one column per test (where each species constitutes a test). Copy this page if more than three tests are being reported.						
2012	Test number: 1	Test number: 2	Test number:			
a. Test information.						
Test Species & test method number	Pimephales Promelas	Ceriodaphnia Dubia				
Age at initiation of test	<24 hours	<24 hours~6				
Outfall number	DSN 001	DSN 001				
Dates sample collected	08/19/12 - 08/24/12 (3 samples)	08/19/12 - 08/24/12 (3 samples)				
Date test started	08/21/12	08/21/12				
Duration	Ouration 7 Days 7 Days					
b. Give toxicity test methods follo	owed.					
Manual title	Manual title Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms					
Edition number and year of publication	Fourth Edition,	October 2002				
Page number(s)	pp 53 - 111	pp 141 - 196				
c. Give the sample collection me	ethod(s) used. For multiple grab sample:	s, indicate the number of grab samples	used.			
24-Hour composite	x	x				
Grab						
d. Indicate where the sample wa	s taken in relation to disinfection. (Chec	k all that apply for each.				
Before disinfection						
After disinfection	x	x				
After dechlorination						

	, / 120000201		
	Test number: 1	Test number: 2	Test number:
e. Describe the point in the treati	ment process at which the sample was	collected.	
Sample was collected:	Plant Effluent	Plant Effluent	
f. For each test, include whether	the test was intended to assess chror	nic toxicity, acute toxicity, or both	
Chronic toxicity	x	x	
Acute toxicity			
g. Provide the type of test perfor	med.		
Static			
Static-renewal	х	x	
Flow-through			
h. Source of dilution water. If lab	oratory water, specify type; if receiving	water, specify source.	
Laboratory water	20% DMW	20% DMW	
Receiving water			
i. Type of dilution water. If salt v	vater, specify "natural" or type of artific	ial sea salts or brine used.	
Fresh water	Х	х	
Salt water			
j. Give the percentage effluent u	sed for all concentrations in the test se	eries.	!
	7.0	7.0	
k. Parameters measured during	the test. (State whether parameter me	ets test method specifications)	
pH	7.5 - 8.0 s.u.	7.7 - 8.1 s.u.	
Salinity	N/A	N/A	
Temperature	25.1 – 25.9 °C	24.8 - 25.9 °C	
Ammonia	3.79, 3.45, 3.28 mg/L	3.79, 3.45, 3.28 mg/L	
Dissolved oxygen	6.3 - 8.3 mg/L	7.8 - 8.3 mg/L	
I. Test Results.	-		
Acute:			
Percent survival in 100% effluent	N/A %	N/A %	%
LC ₅₀	N/A	N/A	
95% C.I.	N/A	N/A	%
Control percent survival	N/A %	N/A %	%

Form Approved 1/14/99

FACILITY NAME AND PERMIT NUMBER: OMB Number 2040-0086 Gadsden West River WWTP, AL0053201 Chronic: NOEC 500 % 125 % % 605 % 154 % % IC_{25} 98.3 % 100 % % Control percent survival Other (describe) Pass/Fail **Pass Pass** m. Quality Control/Quality Assurance. Is reference toxicant data available? Yes Yes Was reference toxicant test within Yes Yes acceptable bounds? What date was reference toxicant test 07/24-31/2012 07/24-31/2012 1 run (MM/DD/YYYY)? Other (describe) E.3. Toxicity Reduction Evaluation. Is the treatment works involved in a Toxicity Reduction Evaluation? ☐ Yes ☒ No If yes, describe: __ E.4. Summary of Submitted Biomonitoring Test Information. If you have submitted biomonitoring test information, or information regarding the cause of toxicity, within the past four and one-half years, provide the dates the information was submitted to the permitting authority and a summary of the results. 09/21/2012 Date submitted: _ (MM/DD/YYYY) Summary of results: (see instructions) Both species passed the permitted requirements for this test period.

END OF PART E. REFER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE.

SUPPLEMENTAL APPLICATION INFORMATION

PART E. TOXICITY TESTING DATA

POTWs meeting one or more of the following criteria must provide the results of whole effluent toxicity tests for acute or chronic toxicity for each of the facility's discharge points: 1) POTWs with a design flow rate greater than or equal to 1.0 mgd; 2) POTWs with a pretreatment program (or those that are required to have one under 40 CFR Part 403); or 3) POTWs required by the permitting authority to submit data for these parameters.

- At a minimum, these results must include quarterly testing for a 12-month period within the past 1 year using multiple species (minimum of two species), or the results from four tests performed at least annually in the four and one-half years prior to the application, provided the results show no appreciable toxicity, and testing for acute and/or chronic toxicity, depending on the range of receiving water dilution. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136.
- In addition, submit the results of any other whole effluent toxicity tests from the past four and one-half years. If a whole effluent toxicity test conducted during the past four and one-half years revealed toxicity, provide any information on the cause of the toxicity or any results of a toxicity reduction evaluation, if one was conducted.
- If you have already submitted any of the information requested in Part E, you need not submit it again. Rather, provide the information

		sted below, they may be submitted in pla	ice of Part Ĕ.
E.1. Required Tests.			
Indicate the number of whole efflu	ent toxicity tests conducted in the past for	our and one-half years.	
☐ chronic ☐ acut	e		
E.2. Individual Test Data. Complete column per test (where each spec		nt toxicity test conducted in the last four in more than three tests are being reported	
2013	Test number: 1	Test number: 2	Test number:
a. Test information.			
Test Species & test method number	Pimephales Promelas	Ceriodaphnia Dubia	
Age at initiation of test	<24 hours	<24 hours~6	
Outfall number	DSN 001	DSN 001	
Dates sample collected	08/18/13 - 08/23/13 (3 samples)	08/18/13 - 08/23/13 (3 samples)	
Date test started	08/20/13	08/20/13	
Duration	7 Days	7 Days	
b. Give toxicity test methods follo	owed.		
Manual title	Short-Term Methods for Estin Effluents and Receiving Water		
Edition number and year of publication	Fourth Edition,	October 2002	
Page number(s)	pp 53 - 111	рр 141 - 196	
c. Give the sample collection me	ethod(s) used. For multiple grab sample	s, indicate the number of grab samples u	used.
24-Hour composite	х	х	
Grab			
d. Indicate where the sample wa	s taken in relation to disinfection. (Chec	k all that apply for each.	
Before disinfection			
After disinfection	x	x	
After dechlorination			

	Test number: 1	Test number: 2	Test number:
e. Describe the point in the tre	eatment process at which the sample was	collected.	
Sample was collected:	Plant Effluent	Plant Effluent	
f. For each test, include whet	her the test was intended to assess chron	ic toxicity, acute toxicity, or both	
Chronic toxicity	х	х	
Acute toxicity			
g. Provide the type of test per	formed.		
Static			
Static-renewal	x	х	
Flow-through			
h. Source of dilution water. If	laboratory water, specify type; if receiving	water, specify source.	
Laboratory water	20% DMW	20% DMW	
Receiving water			
i. Type of dilution water. If sa	alt water, specify "natural" or type of artifici	al sea salts or brine used.	-
Fresh water	х	х	
Salt water		_	
j. Give the percentage effluer	nt used for all concentrations in the test se	ries.	
	7.0	7.0	
k. Parameters measured durin	ng the test. (State whether parameter mee	ets test method specifications)	_
pH	7.5 - 8.0 s.u.	7.6 - 8.0 s.u.	
Salinity	N/A	N/A	
Temperature	24.0 – 26.0 °C	24.5 - 26.0 °C	
Ammonia	2.59, 2.93, 4.00 mg/L	2.59, 2.93, 4.00 mg/L	
Dissolved oxygen	6.5 - 8.3 mg/L	7.9 - 8.3 mg/L	
I. Test Results.			
Acute:			
Percent survival in 100% effluent	N/A %	N/A %	%
LC ₅₀	N/A	N/A	
95% C.I.	N/A	N/A	%
Control percent survival	N/A %	N/A %	%
Other (describe)	N/A	N/A	

FACILITY NAME AND PERMIT NUMBER: Gadsden West River WWTP, AL0053201 Chronic: NOEC 500 % 125 % % % 155 % 599 % IC₂₅ % 98.3 % 100 % Control percent survival Other (describe) Pass/Fail **Pass Pass** m. Quality Control/Quality Assurance. Yes Yes Is reference toxicant data available? Was reference toxicant test within Yes Yes acceptable bounds? What date was reference toxicant test 07/23-30/2013 07/23-30/2013 run (MM/DD/YYYY)? Other (describe) E.3. Toxicity Reduction Evaluation. Is the treatment works involved in a Toxicity Reduction Evaluation? ☐ Yes 🛛 No If yes, describe: _ E.4. Summary of Submitted Biomonitoring Test Information. If you have submitted biomonitoring test information, or information regarding the cause of toxicity, within the past four and one-half years, provide the dates the information was submitted to the permitting authority and a summary of the results. 09/23/2013 _ (MM/DD/YYYY) Date submitted: Summary of results: (see instructions) Both species passed the permitted requirements for this test period. END OF PART E.

REFER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE.

SUPPLEMENTAL APPLICATION INFORMATION

PART E. TOXICITY TESTING DATA

POTWs meeting one or more of the following criteria must provide the results of whole effluent toxicity tests for acute or chronic toxicity for each of the facility's discharge points: 1) POTWs with a design flow rate greater than or equal to 1.0 mgd; 2) POTWs with a pretreatment program (or those that are required to have one under 40 CFR Part 403); or 3) POTWs required by the permitting authority to submit data for these parameters.

- At a minimum, these results must include quarterly testing for a 12-month period within the past 1 year using multiple species (minimum of two
 species), or the results from four tests performed at least annually in the four and one-half years prior to the application, provided the results
 show no appreciable toxicity, and testing for acute and/or chronic toxicity, depending on the range of receiving water dilution. Do not include
 information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted
 using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC
 requirements for standard methods for analytes not addressed by 40 CFR Part 136.
- In addition, submit the results of any other whole effluent toxicity tests from the past four and one-half years. If a whole effluent toxicity test
 conducted during the past four and one-half years revealed toxicity, provide any information on the cause of the toxicity or any results of a
 toxicity reduction evaluation, if one was conducted.
- If you have already submitted any of the information requested in Part E, you need not submit it again. Rather, provide the information
 requested in question E.4 for previously submitted information. If EPA methods were not used, report the reasons for using alternate methods.
 If test summaries are available that contain all of the information requested below, they may be submitted in place of Part E.

E.1. Required Tests.			
Indicate the number of whole efflu	ent toxicity tests conducted in the past for	our and one-half years.	
□ chronic □ acute	е		
	the following chart <u>for each whole efflue</u> ies constitutes a test). Cooy this page if		
2014	Test number: 1	Test number: 2	Test number:
a. Test information.			
Test Species & test method number	Pimephales Promelas	Ceriodaphnia Dubia	
Age at initiation of test	<24 hours	<24 hours~6	
Outfall number	DSN 001	DSN 001	-
Dates sample collected	08/03/14 - 08/08/14 (3 samples)	08/03/14 - 08/08/14 (3 samples)	
Date test started	08/05/14	08/05/14	
Duration	7 Days	7 Days	
b. Give toxicity test methods follo	owed.		-
Manual title	Short-Term Methods for Estin Effluents and Receiving Water		
Edition number and year of publication	Fourth Edition,	October 2002	
Page number(s)	pp 53 - 111	pp 141 - 196	
c. Give the sample collection me	thod(s) used. For multiple grab sample:	s, indicate the number of grab samples	used.
24-Hour composite	x	x	
Grab			
d. Indicate where the sample was	s taken in relation to disinfection. (Chec	k all that apply for each.	
Before disinfection			
After disinfection	Х	х	
After dechlorination			

	Test number: 1	Test number: 2	Test number:
	Test number: 1	NESCO, WALA	rest number.
e. Describe the point in the treatn	nent process at which the sample was		<u> </u>
Sample was collected:	Plant Effluent	Plant Effluent	
f. For each test, include whether	the test was intended to assess chron	ic toxicity, acute toxicity, or both	·
Chronic toxicity	Х	X	
Acute toxicity			
g. Provide the type of test perform	ned.		
Static			
Static-renewal	Х	Х	
Flow-through			
h. Source of dilution water. If lab	oratory water, specify type; if receiving	water, specify source.	
Laboratory water	20% DMW	20% DMW	
Receiving water	-		
i. Type of dilution water. If salt w	rater, specify "natural" or type of artifici	al sea salts or brine used.	
Fresh water	X	Х	
Salt water			
j. Give the percentage effluent us	sed for all concentrations in the test se	ries.	
	7.0	7.0	
	- 240		
k. Parameters measured during t	he test. (State whether parameter med	ets test method specifications)	
рН	7.8 - 8.2 s.u.	7.8 - 8.3 s.u.	
Salinity	N/A	N/A	
Temperature	24.5 – 26.0 °C	24.5 - 26.0 °C	
Ammonia	1.54, 5.56, 5.02 mg/L	1.54, 5.56, 5.02 mg/L	
Dissolved oxygen	7.0 - 8.3 mg/L	7.2 - 8.3 mg/L	
Test Results.			
Acute:			
Percent survival in 100%		N/A A/	2.
effluent	N/A %	N/A %	%
LC ₅₀	N/A	N/A	
95% C.I.	N/A	N/A	%
Control percent survival	N/A %	N/A %	%
Other (describe)	N/A	N/A	

FACILITY NAME AND PERMIT NUMBER: Gadsden West River WWTP, AL0053201 Chronic: NOEC 500 % 125 % % % IC_{25} 633 % 151 % % 100 % Control percent survival 90.0 % **Pass Pass** Other (describe) Pass/Fail m. Quality Control/Quality Assurance. Is reference toxicant data available? Yes Yes Was reference toxicant test within Yes Yes acceptable bounds? What date was reference toxicant test 07/15-22/2014 07/15-22/2014 1 run (MM/DD/YYYY)? Other (describe) E.3. Toxicity Reduction Evaluation. Is the treatment works involved in a Toxicity Reduction Evaluation? ☐ Yes ☒ No If yes, describe: _ E.4. Summary of Submitted Biomonitoring Test Information. If you have submitted biomonitoring test information, or information regarding the cause of toxicity, within the past four and one-half years, provide the dates the information was submitted to the permitting authority and a summary of the results. 09/22/2014 __ (MM/DD/YYYY) Date submitted: Summary of results: (see instructions) Both species passed the permitted requirements for this test period.

END OF PART E. REFER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE.

SUPPLEMENTAL APPLICATION INFORMATION

PART E. TOXICITY TESTING DATA

POTWs meeting one or more of the following criteria must provide the results of whole effluent toxicity tests for acute or chronic toxicity for each of the facility's discharge points: 1) POTWs with a design flow rate greater than or equal to 1.0 mgd; 2) POTWs with a pretreatment program (or those that are required to have one under 40 CFR Part 403); or 3) POTWs required by the permitting authority to submit data for these parameters.

- At a minimum, these results must include quarterly testing for a 12-month period within the past 1 year using multiple species (minimum of two species), or the results from four tests performed at least annually in the four and one-half years prior to the application, provided the results show no appreciable toxicity, and testing for acute and/or chronic toxicity, depending on the range of receiving water dilution. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136.
- In addition, submit the results of any other whole effluent toxicity tests from the past four and one-half years. If a whole effluent toxicity tests
 conducted during the past four and one-half years revealed toxicity, provide any information on the cause of the toxicity or any results of a
 toxicity reduction evaluation, if one was conducted.
- If you have already submitted any of the information requested in Part E, you need not submit it again. Rather, provide the information
 requested in question E.4 for previously submitted information. If EPA methods were not used, report the reasons for using alternate methods.
 If test summaries are available that contain all of the information requested below, they may be submitted in place of Part E.

If no biomonitoring data is required, do n complete.	ot complete Part E. Refer to the Applica	ation Overview for directions on which o	other sections of the form to
E.1. Required Tests.			
Indicate the number of whole afflu	ent toxicity tests conducted in the past for	our and one-half years.	
⊠ chronic ☐ acut	е		
E.2. Individual Test Data. Complete column per test (where each spec	the following chart for each whole effluer ies constitutes a test). Copy this page if	nt toxicity test conducted in the last four more than three tests are being report	r and one-half years. Allow one ed.
2015	Test number: 1	Test number: 2	Test number:
a. Test information.			
Test Species & test method number	Pimephales Promelas	Ceriodaphnia Dubia	
Age at initiation of test	<24 hours	<24 hours~6	
Outfall number	DSN 001	DSN 001	
Dates sample collected	08/23/15 - 08/28/15 (3 samples)	08/23/15 - 08/28/15 (3 samples)	
Date test started	08/25/15	08/25/15	
Duration	7 Days	7 Days	
b. Give toxicity test methods follo	owed.		
Manual title	Short-Term Methods for Estim Effluents and Receiving Water		
Edition number and year of publication	Fourth Edition,	October 2002	
Page number(s)	pp 53 - 111	pp 141 - 196	
c. Give the sample collection me	ethod(s) used. For multiple grab sample	s, indicate the number of grab samples	used.
24-Hour composite	X	x	
Grab			
d. Indicate where the sample wa	s taken in relation to disinfection. (Chec	k all that apply for each.	
Before disinfection			
After disinfection	Х	X	
After dechlorination			

FACILITY NAME AND PERMIT NUMBER:

Gadsden West River WWTP, AL0053201

	1		
	Test number: 1	Test number: 2	Test number:
e. Describe the point in the treatn	nent process at which the sample was	collected.	
Sample was collected:	Plant Effluent	Plant Effluent	
f. For each test, include whether	the test was intended to assess chron	ic toxicity, acute toxicity, or both	
Chronic toxicity	X	X	
Acute toxicity	_		
g. Provide the type of test perform	ned.		
Static			
Static-renewal	X	х	
Flow-through			
h. Source of dilution water. If lab	oratory water, specify type; if receiving	water, specify source.	
Laboratory water	20% DMW	20% DMW	
Receiving water			
i. Type of dilution water. If salt w	rater, specify "natural" or type of artifici	al sea salts or brine used.	
Fresh water	Х	х	
Salt water			
j. Give the percentage effluent us	sed for all concentrations in the test se	ries.	
	7.0	7.0	
k. Parameters measured during t	he test. (State whether parameter med	ets test method specifications)	
рН	7.7 - 8.2 s.u.	7.7 - 8.7 s.u.	
Salinity	N/A	N/A	
Temperature	24.4 – 26.0 °C	24.5 - 26.0 °C	
Ammonia	4.88, 8.20, 8.90 mg/L	4.88, 8.20, 8.90 mg/l-	
Dissolved oxygen	7.4 - 8.3 mg/L	8.0 - 8.3 mg/L	
I. Test Results.			
Acute:			
Percent survival in 100% effluent	N/A %	N/A %	%
LC ₅₀	N/A	N/A	
95% C.I.	N/A	N/A	%
Control percent survival	N/A %	N/A %	%
Other (describe)	N/A	N/AL	

FACILITY NAME AND PERMIT NUMBER: Gadsden West River WWTP, AL0053201 Chronic: NOEC 500 % 125 % % % 150 % 584 % IC_{25} % 88.3 % 100 % Control percent survival Other (describe) Pass/Fail **Pass Pass** m. Quality Control/Quality Assurance. Yes Yes Is reference toxicant data available? Was reference toxicant test within Yes Yes acceptable bounds? What date was reference toxicant test 08/11-18/2015 08/11-18/2015 run (MM/DD/YYYY)? Other (describe) E.3. Toxicity Reduction Evaluation. Is the treatment works involved in a Toxicity Reduction Evaluation? ☐ Yes 🖾 No If yes, describe: E.4. Summary of Submitted Biomonitoring Test Information. If you have submitted biomonitoring test information, or information regarding the cause of toxicity, within the past four and one-half years, provide the dates the information was submitted to the permitting authority and a summary of the results. Date submitted: 10/26/2015 _ (MM/DD/YYYY) Summary of results: (see instructions) Both species passed the permitted requirements for this test period. END OF PART E. REFER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS

OF FORM 2A YOU MUST COMPLETE.

Page 17 of 22

FACILITY NAME AND PERMIT NUMBER: Gadsden West River WWTP, AL0053201

SUPPLEMENTAL APPLICATION INFORMATION PART F. INDUSTRIAL USER DISCHARGES AND RCRA/CERCLA WASTES All treatment works receiving discharges from significant industrial users or which receive RCRA, CERCLA, or other remedial wastes must complete part F. **GENERAL INFORMATION:** F.1. Pretreatment program. Does the treatment works have, or is subject to, an approved pretreatment program? Yes ■ No Number of Significant Industrial Users (SIUs) and Categorical Industrial Users (CIUs). Provide the number of each of the following types of F.2. industrial users that discharge to the treatment works. Number of non-categorical SIUs. a. Number of CIUs. h. SIGNIFICANT INDUSTRIAL USER INFORMATION: Supply the following information for each SIU. If more than one SIU discharges to the treatment works, copy questions F.3 through F.8 and provide the information requested for each SIU. F.3. Significant Industrial User Information. Provide the name and address of each SIU discharging to the treatment works. Submit additional pages as necessary. Name: Keystone Foods Corporation Mailing Address: 507 Keystone Foods Industrial Pkwy Gadsden, AL 35904 F.4. Industrial Processes. Describe all the industrial processes that affect or contribute to the SIU's discharge. Food Cooking & Clean Up Principal Product(s) and Raw Material(s). Describe all of the principal processes and raw materials that affect or contribute to the SiU's discharge. Principal product(s): Cooked Poultry Raw material(s): Chicken, Oil, Flour, Seasnonings, Preservatives Flow Rate. Process wastewater flow rate. Indicate the average daily volume of process wastewater discharge into the collection system in gallons per day (gpd) and whether the discharge is continuous or intermittent. _ gpd 350,000 (X _ continuous or _ __ intermittent) Non-process wastewater flow rate. Indicate the average daily volume of non-process wastewater flow discharged into the collection system h in gallons per day (gpd) and whether the discharge is continuous or intermittent. gpd continuous or intermittent) F.7. Pretreatment Standards. Indicate whether the SIU is subject to the following: Local limits X Yes ☐ No a. Yes Categorical pretreatment standards If subject to categorical pretreatment standards, which category and subcategory?

RCRA HAZ	blems at the Treets, interference) Yes ARDOUS WAS Vaste. Does the Yes ransport. Metho	at the treatment w No No STE RECEIVED treatment works re No (go to F.12 d by which RCRA Rail e EPA hazardous w	If yes, described or has it is pedicated to waste is received.	RAIL, OI	Pisode. R DEDICATE Three years recei	ED PIPELINE: ved RCRA hazard	dous waste by truck, rail or de	
RCRA HAZ F.9. RCRA V F.10. Waste t	ARDOUS WAS Vaste. Does the Yes ransport. Metho	at the treatment w No No STE RECEIVED treatment works re No (go to F.12 d by which RCRA Rail e EPA hazardous w	DBY TRUCK peceive or has it is Dedicat	RAIL, OI	Pisode. R DEDICATE Three years recei	ED PIPELINE: ved RCRA hazard		
F.10. Waste I	ARDOUS WAS Vaste. Does the Yes ransport. Metho Truck Description. Give	STE RECEIVED treatment works re No (go to F.12 d by which RCRA Rail EPA hazardous	D BY TRUCK exceive or has it is 2) waste is receive	RAIL, OI in the past the ed (check all	R DEDICATE Three years received that apply):	ved RCRA hazard	dous waste by truck, rail or de	dicated pi
.9. RCRA V	Vaste. Does the Yes ransport. Metho Truck Description. Give	treatment works re No (go to F.12 d by which RCRA Rail e EPA hazardous	eceive or has it i 2) waste is receive Dedicat	in the past the	nree years recei	ved RCRA hazard	dous waste by truck, rail or de	dicated pi
9. RCRA V	Vaste. Does the Yes ransport. Metho Truck Description. Give	treatment works re No (go to F.12 d by which RCRA Rail e EPA hazardous	eceive or has it i 2) waste is receive Dedicat	in the past the	nree years recei	ved RCRA hazard	dous waste by truck, rail or de	dicated p
.9. RCRA V	Vaste. Does the Yes ransport. Metho Truck Description. Give	treatment works re No (go to F.12 d by which RCRA Rail e EPA hazardous	eceive or has it i 2) waste is receive Dedicat	in the past the	nree years recei	ved RCRA hazard	dous waste by truck, rail or de	dicated p
.11. Waste I	ransport. Metho Truck Description. Give	d by which RCRA Rail EPA hazardous	waste is receive	ed Pipe	,			
.11. Waste I	Truck Description. Give	Rail	☐ Dedicat	ed Pipe	,			
.11. Waste I	Description. Give	e EPA hazardous			(volume or mass			
			waste number a	nd amount ((volume or mass			
<u>EP.</u> 	A Hazardous Was	te Number			,	s, specify units).		
_				<u>Amo</u>	ount		<u>Units</u>	
_								
		WASTEWATER HER REMEDIA				TIVE ACTION		
			_		en notified that is	(Will) receive waste	te from remedial activities?	
	Yes (complete F.	13 through F.15.)		⊠ No				
	Origin. Describe five years).	the site and type o	of facility at whic	h the CERC	LA/RCRA/or oth	ter remedial waste	e originates (or is excepted to	origniate
		rdous constituents I sheets if necessa		ed (or are ex	xpected to be re	ceived). Include d	data on volume and concentra	ition, if
.15. Waste l	reatment.							
a. Is	this waste treate	d (or will be treated	d) prior to enteri	ing the treatr	ment works?			
	☐ Yes	☐ No						
If	yes, describe the	treatment (provide	e information ab	out the remo	oval efficiency):			
_								
b. Is	the discharge (o	will the discharge	be) continuous	or intermitte	ent?			
	☐ Continuous		emittent			scribe discharge so	chedule.	
					PART F.			

SELVANOR SANDARY

FACILITY NAME AND PERMIT NUMBER: Gadsden West River WWTP, AL0053201

SUPPLEMENTAL APPLICATION INFORMATION

PAI	RT F. INDUSTRIAL U	SER DISCHARGES AND RCRA/CERCLA WASTES
	reatment works receivin plete part F.	ng discharges from significant industrial users or which receive RCRA,CERCLA, or other remedial wastes must
GEI	NERAL INFORMATIO	ON:
F.1.	Pretreatment program	Does the treatment works have, or is subject to, an approved pretreatment program?
		□ No
F.2.		Industrial Users (SIUs) and Categorical Industrial Users (CIUs). Provide the number of each of the following types of charge to the treatment works.
	a. Number of non-ca	ategorical SIUs. 3
	b. Number of CIUs.	2
		the state of the s
SIG	NIFICANT INDUSTR	IAL USER INFORMATION:
	ply the following information requ	ation for each SIU. If more than one SIU discharges to the treatment works, copy questions F.3 through F.8 and uested for each SIU.
F.3.	Significant Industrial Las necessary.	User Information. Provide the name and address of each SIU discharging to the treatment works. Submit additional pages
	Name:	Cintas Corporation #746
	Mailing Address:	1209 Airport Industiral Drive
		Gadsden, AL 35904
F.4.	Industrial Processes.	Describe all the industrial processes that affect or contribute to the SIU's discharge.
	Commercial Uniform Su	unalized augustoses
F.5.		
1.5.	discharge.	nd Raw Material(s). Describe all of the principal processes and raw materials that affect or contribute to the SIU's
	Principal product(s):	Rental Uniforms
	Raw material(s):	Dirty Uniforms, Detergents, Degreasers
F.6.	Flow Rate.	
		ter flow rate. Indicate the average daily volume of process wastewater discharge into the collection system in gallons per ether the discharge is continuous or intermittent.
	<u>85,000</u>	gpd (X continuous or intermittent)
		tewater flow rate. Indicate the average daily volume of non-process wastewater flow discharged into the collection system (gpd) and whether the discharge is continuous or intermittent.
		gpd (continuous or intermittent)
F.7.	Pretreatment Standard	ls. Indicate whether the SIU is subject to the following:
	a. Local limits	☑ Yes ☐ No
	b. Categorical pretre	eatment standards
	If subject to categorical p	pretreatment standards, which category and subcategory?

Form Approved 1/14/99 OMB Number 2040-0086 **FACILITY NAME AND PERMIT NUMBER:** Gadsden West River WWTP, AL0053201 F.8. Problems at the Treatment Works Attributed to Waste Discharge by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years? ☐ Yes If yes, describe each episode. RCRA HAZARDOUS WASTE RECEIVED BY TRUCK, RAIL, OR DEDICATED PIPELINE: F.9. RCRA Waste. Does the treatment works receive or has it in the past three years received RCRA hazardous waste by truck, rail or dedicated pipe? Yes ☑ No (go to F.12) F.10. Waste transport. Method by which RCRA waste is received (check all that apply): ☐ Rail □ Dedicated Pipe F.11. Waste Description. Give EPA hazardous waste number and amount (volume or mass, specify units). EPA Hazardous Waste Number Amount Units CERCLA (SUPERFUND) WASTEWATER, RCRA REMEDIATION/CORRECTIVE ACTION WASTEWATER, AND OTHER REMEDIAL ACTIVITY WASTEWATER: F.12. Remediation Waste. Does the treatment works currently (or has it been notified that it will) receive waste from remedial activities? ☐ Yes (complete F.13 through F.15.) ⊠ No F.13. Waste Origin. Describe the site and type of facility at which the CERCLA/RCRA/or other remedial waste originates (or is excepted to originate in the next five years). F.14. Pollutants. List the hazardous constituents that are received (or are expected to be received). Include data on volume and concentration, if known. (Attach additional sheets if necessary.) F.15. Waste Treatment. Is this waste treated (or will be treated) prior to entering the treatment works? ☐ No If yes, describe the treatment (provide information about the removal efficiency): Is the discharge (or will the discharge be) continuous or intermittent?

END OF PART F. REFER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

If intermittent, describe discharge schedule.

☐ Intermittent

☐ Continuous

FACILITY NAME AND PERMIT NUMBER:

Gadsden West River WWTP, AL0053201

		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
SUI	PPLEMENTAL AI	PPLICATION INFORMATION
PAR	T F. INDUSTRIAL U	SER DISCHARGES AND RCRA/CERCLA WASTES
	eatment works receiving	ng discharges from significant industrial users or which receive RCRA,CERCLA, or other remedial wastes must
GEN	IERAL INFORMATION	ON:
F.1.	Pretreatment program	Does the treatment works have, or is subject to, an approved pretreatment program?
	Yes	□ No
F.2.		t Industrial Users (SIUs) and Categorical Industrial Users (CIUs). Provide the number of each of the following types of charge to the treatment works.
	a. Number of non-c	ategorical SIUs. 3
	b. Number of CIUs.	2
		and the state of t
SIGI	NIFICANT INDUSTR	IAL USER INFORMATION:
	oly the following inform ide the information requi	ation for each SIU. If more than one SIU discharges to the treatment works, copy questions F.3 through F.8 and uested for each SIU.
F.3.	Significant Industrial as necessary.	User Information. Provide the name and address of each SIU discharging to the treatment works. Submit additional pages
	Name:	Etowah Chemical Sales & Services
	Mailing Address:	2508 Schuler Avenue
		Gadsden, AL 35904
F.4.	Industrial Processes.	Describe all the industrial processes that affect or contribute to the SIU's discharge.
	Chemical mixing & degr	reaser manufacturing
F.5.	Principal Product(s) a discharge.	nd Raw Material(s). Describe all of the principal processes and raw materials that affect or contribute to the SIU's
	Principal product(s):	Industrial Cleaning & Degreasing Products
	Raw material(s):	Acids, Bases, Phosphates
F.6.	Flow Rate.	
		ater flow rate. Indicate the average daily volume of process wastewater discharge into the collection system in gallons per nether the discharge is continuous or intermittent.
	1,000_	gpd (continuous or X intermittent)
		stewater flow rate. Indicate the average daily volume of non-process wastewater flow discharged into the collection system y (gpd) and whether the discharge is continuous or intermittent.
		gpd (continuous or intermittent)
F.7.	Pretreatment Standard	ds. Indicate whether the SIU is subject to the following:
	a. Local limits	⊠ Yes □ No
	b. Categorical pretr	eatment standards Yes No
l	If subject to categorical	pretreatment standards, which category and subcategory?

Form Approved 1/14/99 OMB Number 2040-0086

FACILITY NAME AND PERMIT NUMBER: Gadsden West River WWTP, AL0053201 F.8. Problems at the Treatment Works Attributed to Waste Discharge by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years? Yes If yes, describe each episode. RCRA HAZARDOUS WASTE RECEIVED BY TRUCK, RAIL, OR DEDICATED PIPELINE: F.9. RCRA Waste. Does the treatment works receive or has it in the past three years received RCRA hazardous waste by truck, rail or dedicated pipe? Yes ☑ No (go to F.12) F.10. Waste transport. Method by which RCRA waste is received (check all that apply): ☐ Rail Dedicated Pipe F.11. Waste Description. Give EPA hazardous waste number and amount (volume or mass, specify units). EPA Hazardous Waste Number Amount Units

CERCLA (SUPERFUND) WASTEWATER, RCRA REMEDIATION/CORRECTIVE ACTION WASTEWATER, AND OTHER REMEDIAL ACTIVITY WASTEWATER: F.12. Remediation Waste. Does the treatment works currently (or has it been notified that it will) receive waste from remedial activities?

⊠ No

F,13.		te Origin. Describe the site and type of facility at which the CERCLA/RCRA/or other remedial waste originates (or is excepted to originate in next five years).
F. 14 .		utants. List the hazardous constituents that are received (or are expected to be received). Include data on volume and concentration, if vn. (Attach additional sheets if necessary.)
F.15.	Was a.	Is this waste treated (or will be treated) prior to entering the treatment works? Yes No If yes, describe the treatment (provide information about the removal efficiency):
	b.	Is the discharge (or will the discharge be) continuous or intermittent? Continuous Intermittent If intermittent, describe discharge schedule.

END OF PART F. REFER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

☐ Yes (complete F.13 through F.15.)

FACILITY NAME AND PERMIT NUMBER:

Gadsden West River WWTP, AL0053201

SUPPLEMENTAL APPLICATION INFORMATION PART F. INDUSTRIAL USER DISCHARGES AND RCRA/CERCLA WASTES All treatment works receiving discharges from significant industrial users or which receive RCRA,CERCLA, or other remedial wastes must complete part F. GENERAL INFORMATION: F.1. Pretreatment program. Does the treatment works have, or is subject to, an approved pretreatment program? Yes ■ No Number of Significant Industrial Users (SIUs) and Categorical Industrial Users (CIUs). Provide the number of each of the following types of F.2. industrial users that discharge to the treatment works. Number of non-categorical SIUs. Number of CIUs. h SIGNIFICANT INDUSTRIAL USER INFORMATION: Supply the following information for each SIU. If more than one SIU discharges to the treatment works, copy questions F.3 through F.8 and provide the information requested for each SIU. F.3. Significant Industrial User Information. Provide the name and address of each SIU discharging to the treatment works. Submit additional pages as necessary. Name: Choice Fabricators, Inc. 1 Mailing Address: 3155 Steele Station Road Rainbow City, AL 35906 F.4. Industrial Processes. Describe all the industrial processes that affect or contribute to the SIU's discharge. Metal Stamping, E-coating, Powder Coating F.5. Principal Product(s) and Raw Material(s). Describe all of the principal processes and raw materials that affect or contribute to the SIU's discharge. Principal product(s): **Fabricated Metal** Raw material(s): Metal and Steel F.6. Flow Rate. Process wastewater flow rate. Indicate the average daily volume of process wastewater discharge into the collection system in gallons per day (gpd) and whether the discharge is continuous or intermittent. 12,000 continuous or X intermittent) Non-process wastewater flow rate. Indicate the average daily volume of non-process wastewater flow discharged into the collection system h in gallons per day (gpd) and whether the discharge is continuous or intermittent. gpd continuous or Pretreatment Standards. Indicate whether the SIU is subject to the following: Local limits ✓ Yes П № ✓ Yes ☐ No Categorical pretreatment standards If subject to categorical pretreatment standards, which category and subcategory? 40 CFR 433.17

Form Approved 1/14/99 OMB Number 2040-0086 FACILITY NAME AND PERMIT NUMBER: Gadsden West River WWTP, AL0053201 F.8. Problems at the Treatment Works Attributed to Waste Discharge by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years? If yes, describe each episode. RCRA HAZARDOUS WASTE RECEIVED BY TRUCK, RAIL, OR DEDICATED PIPELINE: F.9. RCRA Waste. Does the treatment works receive or has it in the past three years received RCRA hazardous waste by truck, rail or dedicated pipe? ☐ Yes No (go to F.12) F.10. Waste transport. Method by which RCRA waste is received (check all that apply): Rail Dedicated Pipe F.11. Waste Description. Give EPA hazardous waste number and amount (volume or mass, specify units). EPA Hazardous Waste Number Units Amount CERCLA (SUPERFUND) WASTEWATER, RCRA REMEDIATION/CORRECTIVE ACTION WASTEWATER, AND OTHER REMEDIAL ACTIVITY WASTEWATER: F.12. Remediation Waste. Does the treatment works currently (or has it been notified that it will) receive waste from remedial activities? Yes (complete F.13 through F.15.) ☑ No F.13. Waste Origin. Describe the site and type of facility at which the CERCLA/RCRA/or other remedial waste originates (or is excepted to originate in the next five years). F.14. Pollutants. List the hazardous constituents that are received (or are expected to be received). Include data on volume and concentration, if known. (Attach additional sheets if necessary.) F.15. Waste Treatment. Is this waste treated (or will be treated) prior to entering the treatment works? ☐ Yes ☐ No If yes, describe the treatment (provide information about the removal efficiency): is the discharge (or will the discharge be) continuous or intermittent?

END OF PART F. REFER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

If intermittent, describe discharge schedule.

☐ Continuous

☐ Intermittent

FACILITY NAME AND PERMIT NUMBER: Codedon Woot Divor WWTD AL 0052201

Ga	asaen west Riv	er WWTP, AL0053201
SU	PPLEMENTAL A	APPLICATION INFORMATION
PAF	RT F.INDUSTRIAL	USER DISCHARGES AND RCRA/CERCLA WASTES
	reatment works receiv plete part F.	ing discharges from significant industrial users or which receive RCRA,CERCLA, or other remedial wastes must
GEN	NERAL INFORMAT	ION:
F.1.	Pretreatment progra	m. Does the treatment works have, or is subject to, an approved pretreatment program?
		□ No
F.2.		nt Industrial Users (SIUs) and Categorical Industrial Users (CIUs). Provide the number of each of the following types of ischarge to the treatment works.
	a. Number of non	-categorical SIUs. 3
	b. Number of CIU	s. <u>2</u>
SIG	NIFICANT INDUST	RIAL USER INFORMATION:
		mation for each SIU. If more than one SIU discharges to the treatment works, copy questions F.3 through F.8 and
	ide the information re	
F.3.	Significant Industria as necessary.	I User Information. Provide the name and address of each SIU discharging to the treatment works. Submit additional pages
	Name:	Prince Metal Stampings USA, Inc
	Mailing Address:	1108 Airport Industrial Drive
		Gadsden, AL 35904
F.4.	Industrial Processes	Describe all the industrial processes that affect or contribute to the SIU's discharge.
	Metal Stamping and M	Metal Finishing Operations
F.5.	Principal Product(s) discharge.	and Raw Material(s). Describe all of the principal processes and raw materials that affect or contribute to the SIU's
	Principal product(s):	Fabricated Metal
	Raw material(s):	Metal and Steel
F.6.	Flow Rate.	
		water flow rate. Indicate the average daily volume of process wastewater discharge into the collection system in gallons per whether the discharge is continuous or intermittent.
	<u>5,000</u>	gpd (continuous or X intermittent)
		astewater flow rate. Indicate the average daily volume of non-process wastewater flow discharged into the collection system ay (gpd) and whether the discharge is continuous or intermittent.
		gpd (continuous or intermittent)
F.7.	Pretreatment Standa	ards. Indicate whether the SIU is subject to the following:
	a. Local limits	✓ Yes □ No
		treatment standards 🖂 Yes 🗌 No
		al pretreatment standards, which category and subcategory?
	40 CFR 433.17	

Form Approved 1/14/99 **FACILITY NAME AND PERMIT NUMBER:** Gadsden West River WWTP, AL0053201 F.8. Problems at the Treatment Works Attributed to Waste Discharge by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years? Yes No If yes, describe each episode. RCRA HAZARDOUS WASTE RECEIVED BY TRUCK, RAIL, OR DEDICATED PIPELINE: F.9. RCRA Waste. Does the treatment works receive or has it in the past three years received RCRA hazardous waste by truck, rail or dedicated pipe? ☐ Yes No (go to F.12) F.10. Waste transport. Method by which RCRA waste is received (check all that apply): ☐ Truck ☐ Rail ☐ Dedicated Pipe F.11. Waste Description. Give EPA hazardous waste number and amount (volume or mass, specify units). EPA Hazardous Waste Number <u>Units</u> CERCLA (SUPERFUND) WASTEWATER, RCRA REMEDIATION/CORRECTIVE ACTION WASTEWATER, AND OTHER REMEDIAL ACTIVITY WASTEWATER: F.12. Remediation Waste. Does the treatment works currently (or has it been notified that it will) receive waste from remedial activities? Yes (complete F.13 through F.15.) ⊠ No F.13. Waste Origin. Describe the site and type of facility at which the CERCLA/RCRA/or other remedial waste originates (or is excepted to originate in the next five years). F.14. Pollutants. List the hazardous constituents that are received (or are expected to be received). Include data on volume and concentration, if known. (Attach additional sheets if necessary.) F.15. Waste Treatment. Is this waste treated (or will be treated) prior to entering the treatment works? ☐ Yes ☐ No If yes, describe the treatment (provide information about the removal efficiency):

END OF PART F.

REFER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS

OF FORM 2A YOU MUST COMPLETE

If intermittent, describe discharge schedule.

Continuous

Is the discharge (or will the discharge be) continuous or intermittent?

Intermittent

Form Approved 1/14/99 OMB Number 2040-0086

FACILITY NAME AND PERMIT NUMBER:

Gadsden West River WWTP, AL0053201

SUPPLEMENTAL APPLICATION INFORMATION

PART G. COMBINED SEWER SYSTEMS

If the treatment works has a combined sewer system, complete Part G.

- G.1. System Map. Provide a map indicating the following: (may be included with Basic Application Information)
 - a. All CSO discharge points.
 - Sensitive use areas potentially affected by CSOs (e.g., beaches, drinking water supplies, shellfish beds, sensitive aquatic ecosystems, and outstanding natural resource waters).
 - c. Waters that support threatened and endangered species potentially affected by CSOs.
- G.2. System Diagram. Provide a diagram, either in the map provided in G.1 or on a separate drawing, of the combined sewer collection system that includes the following information.
 - Location of major sewer trunk lines, both combined and separate sanitary.
 - b. Locations of points where separate sanitary sewers feed into the combined sewer system.
 - c. Locations of in-line and off-line storage structures.
 - d. Locations of flow-regulating devices.
 - e. Locations of pump stations.

CSO	OI	JTF	AL	LS:

Com	plete	questions G.3	through G.6 once for	or each CSO discharge poi	nt.				
G.3.	Desc	cription of Ou	tfall.						
	a.	Outfall numb	er						
	b.	Location							
			(City or town, if appli	cable)	(Zip Code)				
			(County)		(State)				
			(Latitude)		(Longitude)				
	C.	Distance from	n shore (if applicable)			ft.			
	d.	Depth below	surface (if applicable)			ft.			
	e.	Which of the	following were monitor	ored during the last year for t	his CSO?				
		☐ Rain	fall	CSO pollutant concentr	ations		CSO frequency		
		□ csc) flow volume	☐ Receiving water quality					
	f.	How many st	torm events were mor	itored during the last year?				_	
G.4.	cso	Events.							
	a.	Give the num	nber of CSO events in	the last year.					
		0	events	(☐ actual or ☐ approx.)					
	b.	Give the ave	rage duration per CS0	D event.					
			hours	(☐ actual or ☐ approx.)					

2		*
		NAME AND PERMIT NUMBER: Prom Approved 1/14/99 OMB Number 2040-0086 OMB Number 2040-0086
	C.	Give the average volume per CSO event. million gallons (☐ actual or ☐ approx.)
	d.	Give the minimum rainfall that caused a CSO event in the last year Inches of rainfall
G.5.	Desc	cription of Receiving Waters.
	a.	Name of receiving water:
	b.	Name of watershed/river/stream system:
		United State Soil Conservation Service 14-digit watershed code (if known):
	C.	Name of State Management/River Basin:
		United States Geological Survey 8-digit hydrologic cataloging unit code (if known):
	Desc	Operations. Cribe any known water quality impacts on the receiving water caused by this CSO (e.g., permanent or intermittent beach closings, permanent or mittent shell fish bed closings, fish kills, fish advisories, other recreational loss, or violation of any applicable State water quality standard).
R	REF	END OF PART G. ER TO THE APPLICATION OVERVIEW (PAGE 1) TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE.

Additional information, if provided, will appear on the following pages.



SUPPLEMENTARY INFORMATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT APPLICATION FORM 188- Municipal, Semi-Public & Private Facilities

> ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT WATER DIVISION - MUNICIPAL PERMIT SECTION POST OFFICE BOX 301463 MONTGOMERY, ALABAMA 36130-1463

INSTRUCTIONS: APPLICATIONS SHOULD BE TYPED OR PRINTED IN INK AND SUBMITTED TO THE DEPARTMENT. PLEASE CONTINUE ON AN ATTACHED SHEET OF PAPER IF INSUFFICIENT SPACE IS AVAILABLE TO ADDRESS ANY ITEM BELOW. PLEASE MARK N/A IN THE APPROPRIATE BOX WHEN AN ITEM IS NON-APPLICABLE TO THE APPLICANT. PURPOSE OF THIS APPLICATION INITIAL PERMIT APPLICATION FOR NEW FACILITY INITIAL PERMIT APPLICATION FOR EXISTING FACILITY MODIFICATION OF EXISTING PERMIT REISSUANCE OF EXISTING PERMIT REVOCATION & REISSUANCE OF EXISTING PERMIT SECTION A - GENERAL INFORMATION Gadsden West River WWTP The Water Works and Sewer Board of the City of Gadsden, Alabama Operator Name: b. Is the operator identified in 1.a, the owner of the facility? 7 Yes Nο П If no, provide name and address of the operator and submit information indicating the operator's scope of responsibility for the facility. Name of Permittee* if different than Operator:_ *Permittee will be responsible for compliance with the conditions of the permit 2. NPDES Permit Number: AL 0053201 (Not applicable if initial permit application) 3. Facility Location: (Attach a map with location marked; street, route no. or other specific identifier) 2000 Wills Creek Road __ _{County:} Etowah _{City:} Gadsden State: Alabama Facility (Front Gate) Location: Latitude (Deg Min Sec): 33d 58m 55s Longitude (Deg. Min Sec): P. O. Box 800 4. Facility Mailing Address (Street or Post Office Box): _{State:} Alabama Zip: 35902-0800 ____{County:} Etowah _{Citv:} Gadsden 5. Responsible Official (as described on page 6 of this application): Name and Title: Chad Hare, General Manager Address: Zip: 35902-0800 Alabama Gadsden Phone Number: (256) 543-2884 chare@gadsdenwater.org

Email Address: (Optional):

6.	Designated Facili	ty/DMR Contact:						
	Name and Title:	Mike Lankford, Supe	rintendent of Envir	ronmental Services				
	Phone Number:	(256) 543-2884						
		ess (Optional – for receipt of blank	DMR Forms): mlankford	l@gadsdenwater.org				
7.	Designated Emer							
	Name and Title:	Mike Lankford, Superintendent of Environmental Services						
	Phone Number:	(256) 543-2884						
		_{equired):} mlankford@ga						
3.	Please complete			ship or limited liability Corporation	with a			
	a) Proprietor:							
	Name: N/A							
	Address:							
	City:	s	tate:	Zip:				
9.		or Applicant's previously issued held by the Applicant within the		ification of any other State Enviro	nmenta			
	<u>Permit î</u>	<u>Name</u>	Permit Number	<u>Held by</u>				
	Gadsden \	West River WWTP	AL0053201	The Water Works & Sewer B	oard			
	Gadsden	East River WWTP	AL0022659	of the City of Gadsden, Alaba	ama			
10.	Litigation concern	ing water pollution or other pernars (attach additional sheets if r	nit violations, if any against	ministrative Orders, Consent Dec the Applicant within the State of A action Date of Action	labam			

Out	fall Number	Highest in		lonths	H		Daily Flov GD	/	Average Flow MGD	
001		10.948 (mo	MGD nthly ADF	-) 02/16	14.94	18 (12/			6.688	
						1				
			-7		_					
A44 1			1000				- f l-			
Aπacn a pr	ocess flow schema	itic of the trea	atment pro	ocess, inci	uding	ine size	or each	unit ope	eration.	
Do you have this facility		automatic sa	ampling e	quipment	or con	tinuous	wastew	ater flov	v metering equipmer	
Current:	Flow Metering Sampling Equ		Yes Yes	7	No No	8	N/A N/A			
Planned:	Flow Metering Sampling Equ		Yes Yes		No No		N/A N/A	7		
	e attach a schema and describe the e			er system	indica	ting the	present	or futur	e location of this	
Influent a	nd Effluent Endre	ss & Hauser	MAG m	eter(s)						
	Influent and Effluent Endress & Hauser MAG meter(s) Sigma 9000 or ISCO automatic samplers for influent and effluent composite sampling									
Are any wa alter waste	estewater collection water volumes or c cribe these change	or treatment characteristics s and any po	t modifica s (Note: F	ations or ex Permit Mod	xpansion dification	ons pla on may	nned du be requ	ring the red)? Y	next three years tha	
Are any wa alter waste Briefly des (Attach add	estewater collection water volumes or c cribe these change ditional sheets if ne	or treatment characteristics s and any po eded.)	t modifica s (Note: F stential or	ations or ex Permit Mod	xpansion dification d effect	ons pla on may cts on th	nned du be requ	ring the ired)? Y	next three years thates V No	
Are any wa alter waste Briefly des (Attach add Continuou	estewater collection water volumes or c cribe these change ditional sheets if ne	or treatment characteristics s and any po eded.) em and mant	t modifica s (Note: F stential or hole reha	ations or ex Permit Mod	xpansion dification d effect	ons pla on may	nned du be requ	ring the ired)? Y	next three years thates V No uality and quantity:	
Are any wa alter waste Briefly des (Attach add Continuou	estewater collection water volumes or c cribe these change ditional sheets if ne us collection syste	or treatment characteristics s and any po eded.) em and mant	t modifica s (Note: F stential or hole reha	ations or ex Permit Mod	xpansion dification d effect	ons pla on may	nned du be requ	ring the ired)? Y	next three years thates V No uality and quantity:	
Are any wa alter waste Briefly des (Attach add Continuou which sho	estewater collection water volumes or control cribe these change ditional sheets if ne us collection system and result in decre	or treatment characteristics s and any po eded.) em and mant eased flows.	t modifica s (Note: F stential or hole reha	ations or ex Permit Mod anticipate abilitation	xpansion diffication d effect and m	ons pla on may	nned du be requ	ring the ired)? Y	next three years thates V No uality and quantity:	
Are any wa alter waste Briefly des (Attach add Continuou which sho	estewater collection water volumes or contribe these change ditional sheets if new second result in decrease.	or treatment characteristics s and any po- eded.) em and mani- eased flows.	t modifica s (Note: F stential or hole reha	ations or ex Permit Mod anticipate abilitation	xpansidification d effect and m	ons pla on may ets on th	nned du be requ ne waste ance to	ring the red)? Your water q	next three years thates V No uality and quantity:	
Are any wa alter waste Briefly des (Attach add Continuou which shows the lowest of the other collect rmitted facilii	estewater collection water volumes or control these change ditional sheets if new second collection systematically and control the collection of all sites upon the collection or distribution distrib	or treatment characteristics and any poeded.) em and maniferated flows. E AND DISPOSED for the style or indirectly systems that ition of any poets that the characteristics are supported from the style of any poets that the characteristics are supported from the style of any poets that the characteristics are supported from the style of any poets are supported from the style of th	t modifica s (Note: F otential or hole reha cosAL IN torage of y via story t are loca otential re	ations or expermit Modernmit Modernm	xpansidification d effect and m ON iquids municipi opera	ons pla on may ets on the nainten that had pal sew ted by	nned du be requ ne waste ance to ve any per, mun the sub	ring the red)? You water queential cipal water exist	next three years thates V No uality and quantity:	
Are any wa alter waste Briefly des (Attach add Continuou which shows the lowest of the other collect rmitted facility areas of co	estewater collection water volumes or control these change ditional sheets if new state collection systematical control to the state, either directly the collection or distribution by Indicate the local neern as an attach	s and any poeded.) em and maniferaced flows. E AND DISPOSED for the sty or indirectly systems that ition of any poment to this a	t modifica s (Note: F otential or hole reha cosAL IN torage of y via story t are loca otential re	ations or expermit Modernmit Modernm	xpansidification d effect and m ON iquids municipi opera	ons pla on may ets on the nainten that ha pal sew ted by I provid	nned du be requ ne waste ance to ve any p er, mun the sub e a map	ring the red)? You water queet existential cipal water existential cor details	next three years thates V No uality and quantity: inflow & infiltration for accidental dischastewater treatment sting or proposed Niled narrative description	
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*Indicate any wastes disposed at an off-site treatment facility and any wastes that are disposed on-site

SECTION D - INDUSTRIAL INDIRECT DISCHARGE CONTRIBUTORS

 List the existing and proposed industrial source wastewater contributions to the municipal wastewater treatment system (Attach other sheets if necessary)

Company Name	Description of Industrial Wastewater	Existing or Proposed	Flow (MGD)	Subject to SID Permit? Y/N
Keystone Foods Corp.	Food marinating, cooking, packaging	Existing	0.350	Y
Cintas Corporation #746	Rental Uniform Laundering	Existing	0.085	Y
Etowah Chemical	Industrial Cleaners & Degreasers	Existing	0.001	Y
Choice Fabricators 1	Metal Stamping, E - coating, Powder Coating	Existing	0.012	Y

	 Are industrial wastewater contributions regulated via a locally approved sewer use ordinal for so, please attach a copy of the ordinance. 	nance? Yes	☑ No 🗌
SE	CTION E - COASTAL ZONE INFORMATION		
	Is the discharge(s) located within the 10-foot elevation contour and within the limits of Mobil	e or Baldwin	County?
	Yes No ✓ If yes, then complete items A through M below:	YES	NO
A.	Does the project require new construction?		
B.	Will the project be a source of new air emissions?		
C.	Does the project involve dredging and/or filling of a wetland area or water way?		
	Has the Corps of Engineers (COE) permit been issued?		
	Corps Project Number		
D.	Does the project involve wetlands and/or submersed grassbeds?		==
E.	Are oyster reefs located near the project site? (Include a map showing project and discharge location with respect to oyster reefs)		
F.	Does the project involve the site development, construction and operation of an energy facility as defined in ADEM Admin. Code R. 335-8-102(bb)?		
G.	Does the project involve mitigation of shoreline or coastal area erosion?		
Н.	Does the project involve construction on beaches or dunes areas?	1	
l.	Will the project interfere with public access to coastal waters?		
J.	Does the project lie within the 100-year floodplain?). -
K.	Does the project involve the registration, sale, use, or application of pesticides?		
L.	Does the project propose or require construction of a new well or to alter an existing groundwater well to pump more than 50 gallons per day (GPD)?		
M.	Has the applicable permit for groundwater recovery or for groundwater well installation been obtained?		

SECTION D - INDUSTRIAL INDIRECT DISCHARGE CONTRIBUTORS

1. List the existing and proposed industrial source wastewater contributions to the municipal wastewater treatment system (Attach other sheets if necessary)

Company Name	Description of Industrial Wastewater	Existing or Proposed	Flow (MGD)	Subject to SID Permit? Y/N
Prince Metal Stamping	Fabricated Metal Stamping	Existing	0.005	Y
_				

		rial wastewater contributions regulated vi se attach a copy of the ordinance.	ia a locally approved sew	ver use ordin	ance? Yes	□ No □
SEC	TION E – CO	ASTAL ZONE INFORMATION				
		ge(s) located within the 10-foot elevation		nits of Mobile	e or Baldwin	County?
	Yes No	If yes, then complete items A through	1 M Delows		YES	NO
A.	Does the pro	oject require new construction?				
В.	Will the proje	ect be a source of new air emissions?				
C.	Does the pro	oject involve dredging and/or filling of a w	etland area or water way	?		
	Has the Corp	ps of Engineers (COE) permit been issue	ed?			
	Corps Projec	ct Number				
D.	Does the pro	pject involve wetlands and/or submersed	grassbeds?			
E.		eefs located near the project site? ap showing project and discharge locatio	on with respect to oyster i	reefs)		
F.		oject involve the site development, constr fined in ADEM Admin. Code R. 335-8-1		n energy		
G.	Does the pro	oject involve mitigation of shoreline or coa	astal area erosion?			
Н.	Does the pro	oject involve construction on beaches or o	dunes areas?			
I.	Will the proje	ect interfere with public access to coastal	waters?			
J.	Does the pro	oject lie within the 100-year floodplain?				
K.	Does the pro	pject involve the registration, sale, use, or	application of pesticides	?		
L		oject propose or require construction of a well to pump more than 50 gallons per d		kisting		
M.	Has the appl	licable permit for groundwater recovery o	r for groundwater well in	stallation		

SECTION F - ANTI-DEGRADATION EVALUATION

It is the applicant's responsibility to demonstrate the social and economic importance of the proposed activity, if subject to antidegradation requirements. In accordance with 40 CFR 131.12 and Section 335-6-10-.04 of the Alabama Department of Environmental Management Administrative Code, the following information must be provided, if applicable. If further information is required to make this demonstration, attach additional sheets to the application.

- 1. Is this a new or increased discharge that began after April 3, 1991? Yes No 7 If "yes", complete question 2 below. If "no", do not complete this section.
- 2. Has an Anti-Degradation Analysis been previously conducted and submitted to the Department for the new or increased discharge referenced in question 1?

 Yes No

If "no" and the discharge is to a Tier II waterbody as defined in ADEM Admin. Code r. 335-6-10-.12(4), complete questions A through F below, ADEM Form 311-Alternatives Analysis, and either ADEM Form 312 or ADEM Form 313-Calculation of Total Annualized Project Costs (Public-Sector or Private-Sector Projects, whichever is applicable). ADEM Form 312 or ADEM Form 313, whichever is applicable, must be provided for <u>each</u> treatment discharge alternative considered technically viable. ADEM forms can be found on the Department's website at <u>www.adem.alabama.gov/DeptForms</u>. If "yes", do not complete this section.

Information required for new or increased discharges to high quality waters:

- A. What environmental or public health problem will the discharger be correcting?
- B. Explain if and to what degree the discharger will be increasing employment as a result of the proposed discharge, either at its existing facility or as the result of the start-up of a related new facility or industry.
- C. Explain if and to what degree the discharge will prevent employment reductions?
- D. Describe any additional state or local taxes that the prospective discharger will be paying.
- Describe any public service the discharger will be providing to the community.
- F. Describe the economic or social benefit the discharger will be providing to the community.

SECTION G - EPA Application Forms

All Applicants must submit certain EPA permit application forms. More than one application form may be required from a municipal facility depending on the number and types of discharges or outfalls. The EPA application forms are found on the Department's website at www.adem.alabama.gov\programs\water. The required ADEM and EPA forms are summarized in Attachment 1.

SECTION H- ENGINEERING REPORT/BMP PLAN REQUIREMENTS

Any Engineering Report or Best Management Practice (BMP) Plans required to be submitted to ADEM by the applicant must be in accordance with ADEM 335-6-6-.08(i) & (j).

SECTION I- RECEIVING WATERS

Receiving Water(s)	303(d) Segment? (Y / N)	Included in TMDL?* (Y / N)
Middle Coosa River	Y	Y

*If a TMDL Compliance Schedule is requested the following should be attached as supporting documentation:

(1) Justification for the proposed Compliance Schedule (e.g. time for design and installation of control equipment, etc.); (2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, MDL/ML, etc. should be reported as available); (3) Requested interim limitations, if applicable; (4) Date of final compliance with the TMDL limitations; and (5) Any other additional information available to support the requested compliance schedule.

SECTION J - APPLICATION CERTIFICATION

THE INFORMATION CONTAINED IN THIS FORM MUST BE CERTIFIED BY A RESPONSIBLE OFFICIALAS DEFINED IN ADEM ADMINISTRATIVE RULE 335-6-6-.09 "SIGNATORY REQUIREMENTS FOR PERMIT APPLICATIONS" (SEE BELOW).

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE.I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

"I FURTHER CERTIFY UNDER PENALTY OF LAW THAT THE RESULTS OF ANY ANALYSES REPORTED AS LESS THAN DETECTABLE IN THIS APPLICATION OR IN ATTACHMENTS THERETO WERE PERFORMED USING THE EPA APPROVED TEST METHOD HAVING THE LOWEST DETECTION LIMIT READILY ACHIEVABLE FOR THE SUBSTANCE TESTED."

DATE SIGNED: 11/3/16
Chad Hare, PE
General Manager
P. O. Box 800
(256) 543-2884

SIGNATORY REQUIREMENTS FOR PERMIT APPLICATIONS

Responsible official is defined as follows:

- In the case of a corporation, by a principal executive officer of at least the level of vice president, or a
 manager assigned or delegated in accordance with corporate procedures, with such delegation submitted in
 writing if required by the Department, who is responsible for manufacturing, production, or operating facilities
 and is authorized to make management decisions which govern the operation of the regulated facility
- 2. In the case of a partnership, by a general partner
- 3. In the case of a sole proprietorship, by the proprietor, or
- 4. In the case of a municipal, state, federal, or other public facility, by either a principal executive officer, or a ranking elected official.
- In the case of a private or semi-public facility, the responsible official is either a principal executive officer or the owner of the corporation or other entity.

Attachment 1 to Supplementary Information Form

NPDES PROGRAM PERMIT APPLICATION FORMS ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

TYPE DISCHARGE	ADEM FORMS	EPA FORMS
New or existing once through non-contact cooling water and/or cooling tower blowdown, and/or sanitary wastewater (non-process wastewater only). Note: POTWs and privately owned domestic treatment works should use Form 2A.	Supplemental Information Form 187 (Industrial) or Form 188 (Municipal)	Forms 1 and 2E
Existing discharges of process wastewater	Supplemental Information Form 187 (Industrial) or Form 188 (Municipal)	Forms 1 and 2C
New discharges of process wastewater	Supplemental Information Form 187 (Industrial) or Form 188 (Municipal)	Forms 1 and 2D
New or existing discharges composed entirely of stormwater meeting the EPA definition of stormwater associated with industrial activity	Supplemental Information Form 187 (Industrial) or Form 188 (Municipal)	Forms 1 and 2F
New or existing discharges composed of stormwater meeting the EPA definition of stormwater associated with industrial activity, and any other non-stormwater discharges.	Supplemental Information Form 187 (Industrial) or Form 188 (Municipal)	Forms 1 and 2F and, as appropriate, Forms 2E, 2E, 2C, and/or 2D
New or existing Publicly-Owned Treatment Works (POTWs) and Privately-Owned Treatment Works composed of sanitary wastewater	Supplemental Information Form 187 (Industrial) or Form 188 (Municipal)	Forms 1 and 2A
New or existing land application of process wastewater. Form 2F is required for stormwater runoff from the land application site, if the site is not completely bermed to prevent runoff.	Supplemental Information Form 187 (Industrial)	Forms 1, 2F, and 2C or 2D, as appropriate
New or existing land application of sanitary wastewater. Form 2F is required for stormwater runoff from the land application site, if the site is not completely bermed to prevent runoff.	Supplemental Information Form 187 (Industrial) or Form 188 (Municipal)	Forms 1, 2A, and 2F

Testing requirements: Test procedures for all analyses shall conform to 40 CFR Part 136 or an alternate method specifically approved by the Department. If more than one method of analysis is approved, then the method having the lowest detection level shall be used.

ARTICLE III. SEWERS

Sec. 16-39. Definitions.

Unless the context specifically indicates otherwise, the meaning of terms used in this article shall be as follows:

Abnormal strength sewerage: Any waste having a suspended solid or BOD concentration in excess of that found in normal strength sewage, but which is otherwise acceptable into a public sewer under the terms of this article.

Act or the act: The Federal Water Pollution Control Act, also known as the Clean Water Act, as amended, 33 U.S.C. 1251 et. seq.

Agreement: The Alabama Pretreatment Program Memorandum of Agreement between the Alabama Water Improvement Commission and the water board.

Approval authority: The director of the Alabama Department of Environmental Management.

Authorized representative of industrial user: May be: (1) A principal executive officer of at least the level of vice-president, if the industrial user is a corporation; (2) a general partner or proprietor if the industrial user is a partnership or proprietorship, respectively;

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GASDEN CODE

Composite sample: A sample consisting of several effluent portions collected during a specific time period and combined to make a representative sample.

Composite sewage: Sewage consisting of several effluent portions collected from various discharge lines at a common point.

Cooling water. The water discharged from any system of condensation such as air conditioning, cooling or refrigeration.

Direct discharge: The discharge of treated or untreated wastewater directly into the waters of the State of Alabama.

Domestic sewage: That liquid waste from bathrooms, toilet rooms, kitchens and home laundries.

Domestic user: Any user not covered under the definition of industrial user.

Effluent: Wastewater flowing out of a POTW reservoir, basin or industrial treatment plant.

Environmental protection agency or EPA: The U.S. Environmental Protection Agency, or, where appropriate, the term may also be used as a designation for the administrator or other duly authorized official of said agency.

Flow rate: The quantity of waste or liquid that flows in a certain period of time.

Flow volume: The quantity of waste or liquid.

Garbage: Solid waste from the domestic and commercial preparation, cooking and dispensing of food; and from the handling, storage and sale of produce.

General manager: The chief executive officer of the water board or such officer's authorized deputy, agent or representative.

Grab sample: A sample which is taken from waste stream on a one-time basis with no regard to the flow in the waste stream and without consideration of time.

Groundwater: Water within the earth that supplies wells and springs.

GADSDEN CODE

National categorical pretreatment standards or pretreatment standard: Any regulation containing pollutant discharge limits prom ulgated by the EPA in accordance with section 307(b) and (c) of the Act (33 U.S.C. 1347), which applies to a specific category of indus trial users.

National prohibitive discharge standard or prohibitive discharge standard: Any regulation developed under the authority of 307(c) of the Act and 40 CFR, section 403.5.

Natural outlet: Any outlet into a watercourse, pond, ditch, lake or other body of surface or groundwater.

New source: Any source, the construction of which is commenced after the publication of proposed regulations prescribing section 307(c) (33 U.S.C. 1347) categorical pretreatment standard which will be applicable to such a source, if such standard is thereafter promulgated within one hundred twenty (120) days of proposal in the Federal Register. Where the standard is promulgated later than one hundred twenty (120) days after proposal, a new source means any source, the construction of which is commenced after the date of promulgation of the standard.

Normal strength sewage: Sewage which, when analyzed by the water board, shows by weight a daily average of not more than two thousand eighty-five (2,086) pounds per million gallons (250 parts per million) of suspended solids; and not more than two thousand eighty-flive (2,085) pounds per million gallons (250 parts per million) of BOD, and which is otherwise acceptable into a public sewer under the terms of these regulations.

NPDES: The national pollutant discharge elimination system. A permit which is issued pursuant to section 402 of the Act (33 U.S.C. 1342).

Objectionable waste: Any wastes that can harm either the sewers, sewer treatment process or equipment, have an adverse effect on the receiving stream, or otherwise endanger life, health or property, or constitute a nuisance.

Person: As defined in section 1-2, specifically including a city, county, town, village or sewer district.

GADSDEN

Publicly owned treatment works (POTW): Treatment works as defined by section 212 of the Act (33 U.S.C. 1292), which is owned, in this instance, by the water board. This definition includes any sewers that convey wastewater to the POTW treatment plant, but does not include pipes, sewers or other conveyances not connected to a facility providing treatment. For the purposes of this article, "POTW" shall also include any sewers that convey wastewaters to the POTW from persons outside the city who are, by contract or agreement with the water board, users of the water board's POTW.

Publicly owned treatment works (POTW) treatment plant: That portion of the POTW designed to provide treatment to wastewater.

Receiving waters: A natural watercourse or body of water into which treated or untreated sewage is discharged.

Sewage: A combination of the water-carried wastes from residences, business buildings, institutions and industrial establishments, together with such ground, surface and stormwaters as may be present.

Sewer. A pipe or conduit for carrying sewage.

SID: The state indirect discharge permit, a permit issued by AWIC to a significant industrial user of the POTW as detailed in the agreement.

Significant industrial user. Any industrial user of the water board's POTW treatment plant which: (1) has a discharge flow of twenty-rive thousand (25,000) gallons or more per average work day; (2) has a flow greater than five (5) per cent of the hydraulic or organic design capacity of the water board's POTW treatment plant; (3) has in its wastes toxic pollutants as defined pursuant to Section 307 of the Act or Alabama statutes or rules; or (4) is found by the water board, Alabama Department of Environmental Management or the Environmental Protection Agency to have significant impact, either singly or in combination with other contributing industries, on the wastewater treatment system, the quality of sludge, the system's effluent quality or air emissions generated by this system.

Significant violation: A violation which: (1) remains uncorrected forty-five (45) days after notification of noncompliance; (2) is part

Unpolluted water: Water which is free of any polluted water or waste as described in the definition of "polluted water or waste" herein.

User: Any person who contributes, causes or permits the contribution of wastewater into the water board's POTW.

User charge: A charge levied on users of the POTW for the capital cost, as well as the operation and maintenance of such works as outlined in the latest edition of the water board's water and sanitary sewer rate schedule.

Wastewater: The spent water of a community from the standpoint of source; it may be a combination of the liquid and watercarried wastes from residences, commercial buildings, industrial plants and institutions, together with any groundwater, surface water and storm water that may be present. In recent years the word wastewater has taken precedence over the word sewerage.

Water board: The water works and sewer board of the city.

Watercourse . A channel in which a flow of water occurs, whether continuously or intermittently. (Ord. No. 0-28-81, Art. I, §§ 1-76, 7-2-81; Ord. No. 0-51-83, §§ 1, 2, 6-23-83)

See. 16-40. Connection to sewer system-Required.

The owner of any property available to sewers is required to connect with the sewer system all water closets, urinals, sinks, lavatories, laundry tubs, bathtubs and other fixtures of whatever kind and character from which water is wasted on such property. It shall be unlawful for the owner of any property available to sewers to keep or maintain any surface closets, dry closets or cesspools upon such property, or to keep or maintain upon any such property any fixture from which water is wasted and which is not connected with the sewer system. (Code 1966, § 38-2; Ord. No. 0-28-81, Art. III, § 1, 7-2-81)

Cross reference-Required facilities, if 6-141, 14-6 et seq.

Sec. 16-41. Same-Notice requiring.

(a) In the event the owner of any property available to sewers does not cause the required connection of such property to the sewer system to be made, the board shall issue a written notice to

days following the date the notice provided above is given, the city may make such connection, or cause such connection to be made, at the expense of such owner. The cost of making such connection shall constitute a lien upon such property in favor of the city, prior and superior to all liens other than liens for taxes, to be collected as other debts are collected and liens enforced. (Code 1966, § 38-4)

Sec. 16-43. Same-Assessment of cost; filing lien.

In the event property available to sewers is connected to the sewer system by the city pursuant to the provisions of section 16-42, the city commission shall thereafter adopt a resolution or ordinance assessing the cost or expenses of making such connection against such property. Promptly after the adoption of such ordinance or resolution, the chairman of the commission shall prepare a statement in writing, setting forth the name of the owner of such property and a description of such property and stating the cost of connecting such property with the sewer system. Such statement shall be signed by the chairman of the commission in such chairmans official capacity and filed with the judge of probate of the county, for ' record in the mortgage records of the county. The filing of such statement shall operate as notice of such lien from the date of its filing. (Code 1966, § 38-5)

Cross reference-See also § 16-57 et seq.

Sec. 16-44. Drains and water closets connected to sewer system to be kept in good condition, etc.

It shall be unlawful for the owner or person in control of any premises to permit any drain or water closet on such premises to remain connected with the sewer system if such drain or water closet is not in good and sanitary operating condition. It shall be unlawful for the owner or person in control of any premises to permit any water closet on such premises that is connected with the sewer system to be used or remain connected therewith without a proper supply of water being available at all times to flush such water closet; and when any drain or water closet is out of repair the same shall be put in good order and repair without delay. (Code 1966, § 38-6)

bution of costs resulting from the program established herein. (Ord. No. 0-28-81, Art. II, § 1, 7-2-81)

See. 16-47. Scope of article.

This article shall be interpreted in accordance with the definitions set forth in section 16-39. The provisions of this article shall apply to the direct or indirect discharge of all liquid carried waste to facilities of the water board. This article, among other things, provides for the regulation of sewer construction in areas within the jurisdiction of the water board, the quantity mid quality of discharge of wastes, the degree of waste pretreatment required, the setting of waste discharge fees to provide for equitable distribution of costs, issuance of permits for industrial wastewater, and the establishment of surcharges and other procedures in cases of violation of these regulations. (Ord. No. 0-28-81, Art. II, § 2,7-2-81)

Sec. 16-48. Area affected by article.

These regulations shall apply to the city and those users outside the city who are, by contract or agreement with the water board, users of the board's POTW. (Ord. No. 0-28-81, Art. H, § 3,7-2-81)

Sec. 16-49. Administration.

Except as otherwise provided herein, the general manager of the water board shall administer, implement and enforce the provisions of these regulations. (Ord. No. 0-28-81, Art. II, § 4, 7-2-81)

See. 16-50. Violation of article-Special surcharge assessment; suit for damages.

Every person violating any provision of this article, including the failure to pay any fees, charges or surcharges imposed hereby, shall be assessed a special surcharge as provided in the water board's water and sanitary sewer rate schedule.

Each day during which any violation continues shall constitute a separate violation. A day shall consist of a twenty-four-hour period beginning at 12:01 a.m. and ending the following 12:01 a.m.

The general manager may, upon authorization by the water board, sue to recover any amounts due the board under the provisions of these regulations.

Sec. 16-53. Questionnaire-New industrial wastewater discharges.

All persons desiring to discharge industrial wastewater to the water board's POTW must first complete an industrial waste ques tionnaire and submit the questionnaire to the water board for re view. If, after review by the general manager and ADEM as noted in the agreement, the industry is found to be subject to the federal or state pretreatment program, then that person must obtain a state indirect discharge (SID) permit. (Ord. No. 0-28-81, Art. 11, § 8, 7-2-81)

Sec. 16-54. Same-Existing industrial -wastewater discharges.

All persons discharging industrial waste water directly or indirectly to the water board's POTW prior to the effective date of the ordinance from which this section is derived and who have obtained prior approval of the industrial wastewater discharge, must complete the industrial waste questionnaire as required under section 11 of the agreement. If, after review by the water board and AWIC as noted in the agreement, the industry is found to be subject to the federal and state pretreatment program, then that industry must obtain a state indirect discharge (SID) permit within the required time frame established by EPA and AWIC. (Ord. No. 0-28-81, Art. 11, § 9,7-2-81)

Sec. 16-55. Pretreatment standards.

In compliance with the Act, these regulations adopt and use as a guide the national pretreatment standards and the environmental protection agency's pretreatment guidelines. The water board recognizes that in some cases these pretreatment standards may not be sufficient to protect the operation of its treatment works, or make it unable to comply with terms of its NPDES permit. In such cases, the water board reserves the right to impose more stringent pretreatment standards than those specified in the EPA regulations. (Ord. No. 0-28-81, Art. 11, § 10, 7-2-81)

Sec. 16-56. Right-of-entry.

The authorized representative of the water board, EPA and AWIC representatives, bearing proper credentials and identification, shall

Sec. 16-61. Expiration of plans approval.

An approval of plans for construction of sewerage facilities shall expire one year after the date of approval unless construction has been initiated within one year and completed within a reasonable time thereafter. (Ord. No. 0-28-81, Art. IV, § 3,7-2-81)

Sec. 16-62. Responsibility for connection costs; indemnification.

All costs and expense incidental to the installation and connection of the building service sewer shall be borne by the owner. The owner shall indemnify the city and the water board from any loss or damage that may directly or indirectly be occasioned by the installation of the building service sewer. (Ord. No. 0-28-81, Art. IV, § 4, 7-2-81)

Sec. 16-63. Separate connections.

A separate and independent building service sewer shall be provided for every building in residential and commercial areas, except that where one building stands at the rear of another on an interior lot, and no private sewer is available, or can be constructed to the rear building through an adjoining alley, court, yard, or driveway, the building service sewer from the front building may be extended to the rear building and the whole considered as one building service sewer. (Ord. No. 0-28-81, Art. IV, § 5, 7-2-81)

See. 16-64. Building service sewers specifications.

The size, slope, alignment, materials of construction of a building service sewer, and the methods to be used in excavating, placing of the pipe, joining, testing and backfilling the trench, shall all conform to the requirements of the building and plumbing codes or other applicable rules and regulations of the city. (Ord. No. 0-28-81, Art. IV, § 6,7-2-81)

specifications.

Sec. 16-65. Elevation of sewers.

Whenever possible, the building service sewer shall be brought to the building at an elevation. below -the basement floor. In all building in which below-floor building drains are too low to permit gravity flow to the public sewer, sanitary sewage carried by such build

POTW. Storm water runoff from limited areas, which storm water may be polluted at times, may be discharged to the POTW by permission of the general manger.

Within any area served by a separate sanitary sewer and a storm sewer, no storm water shall be allowed to enter soil, waste or vent pipes from any building. Within any such area no downspout, roof leaders, gutters, other pipes, or drains such as channels which may at any time carry storm water surface drainage derived from hydraulic pressure or from well points, cooling water or lake water, shall be connected with any sanitary sewer; but must be connected to said storm sewer. (Ord. No. 0-28-81, Art. V, § 2,7-2-81)

See. 16-70. Discharge to a storm sewer or natural outlet.

It is prohibited to discharge to any storm sewer or natural outlet within the city limits any sewage or other polluted waters, except where suitable treatment has been provided in accordance with the provisions of this article; and except where a national pollutant discharge elimination systems (NPDES) permit has been duly issued and is currently valid for such discharge. A valid copy of such a permit with any modifications thereof must be filed with the water board for an exception under this section. (Ord. No. 0-28-81, Art. V, § 3,7-2-81)

Sec. 16-71. General discharge prohibitions.

No user shall contribute or cause to be contributed, directly or indirectly, any pollutant or wastewater which will interfere with the operation or performance of the POTW. These general prohibitions apply to all such users of the POTW whether or not the use is subject to National Categorical Pretreatment Standards or any other national, state or local pretreatment standards or requirements. A user may not contribute the following substances to any POTW:

(1) Amy liquids, solids or gases which by reason of their nature or quantity are, or may be, sufficient, either alone or by interaction with other substances, to cause fire or explosion or be injurious in any way to the POTW or to the operation of the POTW. At no time shall two (2) successive readings on an explosion hazard meter at the point of dis

treatment standard. Toxic pollutants include, but are not limited to, Nitrogen, either as ammonia nitrogen (not to exceed fifteen (15) mg/l) or total Kjeldahl nitrogen (not to exceed thirty (30) mg/l), or any pollutant identified pursuant to section 307(a) of the Clean Water Act. Certain metals in sufficient concentration may also be deemed toxic. The concentration of metals will be dealt with on a case. by-case basis.

- (5) Any noxious or malodorous liquids, gases or solids which, either singly or by interaction with other wastes, are sufficient to create a public nuisance or hazard to life or are sufficient to prevent entry into the sewers for maintenance and repair.
- (6) Any substance which may cause the POTW's effluent or any other product of the POTW, such as residues, sludges or scums, to be unsuitable for reclamation and reuse or to interfere with the reclamation process. In no case shall a substance discharged to the POTW cause the POTW to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under section 405 of the Act; any criteria, guidelines or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, the Clean Air Act, the Toxic Substances Control Act; or state criteria applicable to the sludge management method being used.
- (7) Any substance which will cause the POTW to violate its NPDES permit or the receiving water quality standards.
- (8) Amy wastewater with objectionable color not removed in the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions.
- (9) Amy wastewater having a temperature which will inhibit biological activity in the POTW treatment plant resulting in interference, but in no case wastewater with a temperature which exceeds forty (40) degrees Celsius (104* F.) at the introduction into the POTW unless the POTW treatment plant is designed to accommodate such temperature.
- (10) Amy water or waste containing fats, wax, grease or oils, whether emulsified or not, in excess of one hundred (100)

notify all affected users of the applicable reporting requirements under 40 CFR, section 403.12. (Ord. No. 0-28-81, Art. V, § 5, 7-2-81)

Sec. 16-73. State requirements on discharges.

State requirements or limitations on discharges shall apply in any case where they are more stringent than federal requirements and limitations or those in this article. (Ord. No. 0-28-81, Art. V, § 6, 7-2-81)

Sec. 16-74. Water board's right of revision of discharge requirements.

The water board reserves the right to establish by ordinance more stringent limitations or requirements on discharges to the wastewater disposal system, if deemed necessary, to comply with the objectives presented in section 16-46. (Ord. No. 0-28-81, Art. V, § 7, 7-2-81)

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facilities. If it is found that such laterals or collecting sewers are used or maintained in such a way as to cause discharge of septic wastewater or ground water or debris which exceeds the design criteria of said sewer or any other substance deemed objectionable by the water board, the water board will give notice of the unsatisfactory condition to the discharger and shall direct that the condition be corrected. In case of continued noncompliance with the general manager's directive, the water board may disconnect the sewer from the water board's POTW. (Ord. No. 0-28-81, Art. V, § 10,7-2-81)

See. 16-78. Excessive sewer maintenance expense.

No person shall discharge or cause to be discharged to the water board's POTW, either directly or indirectly, any waste that creates a stoppage, plugging, breakage, any reduction in sewer capacity, or any other damage to sewers or sewerage facilities of the water board. Any additional sewer or sewerage maintenance expenses caused by such a discharge, or any other expenses attributable thereto will be charged to the discharger by the water board.

Any refusal to pay the additional maintenance expenses duly authorized by the water board will constitute a violation of this article. The charge shall be determined as outlined in the latest edition of the water board's water and sanitary sewer rate schedule. (Ord. No. 0-28-81, Art. V, § 11, 7-2-81)

Sec. 16-79. Application for permit for industrial wastewater discharge; failure to obtain permit.

Any person desiring to deposit or discharge, or who is now so doing, any industrial waste into the water board's POTW shall make application to the city plumbing inspector in the manner prescribed in the city plumbing code. It shall be the duty of the city plumbing inspector to refer all applications for the disposal of industrial waste to the water board. The general manager shall approve such applications only when evidence is submitted by the applicant that the discharge into the sanitary sewer will comply with all the provisions of this article. In addition, any nondomestic sewage user of the water board's POTW shall complete an industrial waste questionnaire. This questionnaire shall he submitted to

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When requested by the authorized representative of the indus trial user furnishing a report, the portions of a report which might disclose trade secrets or secret processes shall not be made available for inspection by the public, but shall be made available upon written request to governmental agencies for uses related to this article, the national pollutant discharge elimination system (NPDES) permit, state indirect discharge permit and/or the pretreatment programs; provided, - however, that such portions of a report shall be available for use by the state or any state agency in judicial review or enforcement proceedings involving the person furnish ing the report. Wastewater constituents and characteristics will not be recognized as confidential information.

Information accepted by the water board as confidential shall not be transmitted to any governmental agency or to the general public by the water board until and unless a ten-day notification is given to the industrial user. (Ord. No. 0-28-81, Art. VI, § 3, 7-2-81; Ord. No. 0-51-83, § 3, 6-23-83)

Sec. 16-82. Significant changes in quantity and quality.

No industrial user shall discharge industrial wastewaters in excess of the quantity or quality limitations set by its state indirect discharge permit and/or by the water board for industrial wastewater discharge. Any industrial user desiring to discharge wastewaters or use facilities which are not in conformance with its state indirect discharge permit must apply for approval through the general manager to AWIC for an amended permit. (Ord. No. 0-28-81, Art. VI, § 4,7-2-81)

Sec. 16-83. Prohibited waste discharges.

In most cases, the concentration or amounts of any particular constituent which will be judged to be excessive or unreasonable cannot be foreseen, but will depend on the results of technical determination and action of regulatory agencies. A partial list of these constituents appear in sections 16-68 through 16-78. However, as new regulations and requirements are promulgated by federal and state authorities, they too will become part of this article. (Ord. No. 0-28-81, Art. VI, § 5,7-2-81)

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downstream of the sampling or flow measuring point. (Ord. No. 0-28-81, Art. VI, § 8,7-2-81)

Sec. 16-87. Industrial wastewater sampling, analysis and flow measurements.

Periodic measurements of flow rates, flow volumes, BOD, and suspended solids for use in determining the annual industrial wastewater treatment charges, and such measurements of other constituents deemed necessary by the water board, may be made on all industrial wastewater discharges. In addition, all significant industrial users designated by AWIC -as subject to the stated EPA pretreatment standards must comply with section IV(1), compliance assurance, of the agreement. All sampling, analysis and flow measurement of industrial wastewaters shall be performed by an independent laboratory or by a laboratory of an industrial discharger, approved by the water board.

If performed by the water board personnel, an appropriate charge shall be paid by the discharger requesting the tests. The charges are outlined in the latest edition of the water and sanitary sewer rate schedule. Prior to submittal to the water board of data developed in the laboratory of an industrial discharger, the results shall be verified by a responsible administrative official of the industrial firm or corporation.

All wastewater analysis shall be conducted in accordance with the appropriate procedure contained in EPA's "Methods of Analysis of Water and Wastes," (most recent edition) also known as "Standard Methods." If no appropriate procedure is contained therein, the standard procedure of the industry, or a procedure judged satisfactory by the general manager, shall be used to measure wastewater constituents. Any laboratory or any discharger performing tests shall furnish the required test data or information on the test methods or equipment used, if requested to do so by the water board.

All dischargers making periodic measurements shall furnish and install at the control manhole, or other appropriate location, a calibrated flume, weir, flow meter or similar device approved by the general manager, and suitable to measure the industrial wastewater flow rate and total volume. A flow register which indicates, records, and totalizes may be required by the water board. In lieu of waste

Sec. 16-89. Damage caused by prohibited wastewater discharge.

Any industrial wastewater discharger who discharges, or causes the discharge of, prohibited wastewater which causes damage to the water board's POTW, detrimental effects on treatment processes, or any other damages resulting in costs to the water board, shall be liable for all damages occasioned thereby. (Ord. No. 0-28-81, Art. VI, § 11, 7-2-81)

Sec. 16-90. Public notification of significant violations.

The water board shall annually publish in the local newspaper a list of the users which had a significant violation of any pretreatment requirements or standards during the twelve (12) previous months. The notification shall also summarize any enforcement actions against the user(s) during the same twelve (12) months.

All records relating to compliance with pretreatment standards shall be made available to officials of EPA or the approval authority upon request. (Ord. No. 0-28-81, Art. VI, § 12, 7-2-81; Ord. No. 0-5 1-83, § 4, 6-23-83)

Sec. 16-91. Enforcement-Suspending service for harmful contributions.

The water board may suspend the wastewater treatment service and, when in the opinion of the water board such suspension is necessary to stop an actual or threatened discharge which presents or may present an imminent or substantial endangerment to the health or welfare of persons or to the environment which causes interference to the POTW or which causes the water board to violate any condition of its NPDES permit.

Any person notified of a suspension of the wastewater treatment service shall immediately stop or eliminate the contribution. In the event of a failure of the person to comply voluntarily with the suspension order, the water board shall take such steps as deemed necessary, including immediate severance of the sewer connection, to prevent or minimize damage to the POTW system or endangerment to any individuals. The water board shall reinstate the wastewater treatment service upon proof of the elimination of the noncomplying discharge. A detailed written statement submitted Supp. No. 2

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At any hearing held pursuant to this article, testimony taken must be under oath and recorded stenographically. The transcript, so recorded, will be made available to any member of the public or any party to the hearing upon payment of the usual charges thereof.

After the water board has reviewed the evidence, it may issue an order to the user responsible for the discharge directing that, following a specified time period, the sewer service be discontinued unless adequate treatment facilities, devices or other related appurtenances shall have been installed on existing treatment facilities, devices or other related appurtenances are properly operated. Such orders and directives as are necessary and appropriate may be issued. (Ord. No. 0-28-81, Art. VII, § 3, 7-2-81)

Sec. 16-94. Same-Legal action.

If any person discharges sewage, industrial wastes or other wastes into the water board's POTW contrary to the provisions of this article, federal or state pretreatment requirements, or any order of the water board, the water board's attorney may commence an action for appropriate legal and/or equitable relief in the appropriate court of this county. (Ord. No. 0-28-81, Art. VII, § 4, 7-2-81)

Sec. 16-95. Same-Civil penalties.

Any user who is found to have violated an order of the water board or who wilfully or negligently fails to comply with any provision of this article, and the orders, rules, regulations and permits issued hereunder, shall be fined not more than five hundred dollars (\$500.00) for each offense. Each day on which a violation shall occur or continue shall be deemed a separate and distinct offense. (Ord. No. 0-28-81, Art. VII, § 5,7-2-81)

Sec. 16-96. Same-Falsifying information.

Any person who knowingly makes any false statements, representation or certification in any application, record, report, plan or other document filed or required to be maintained pursuant to this article, or SID permit, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required under this article, shall, upon conviction, be punished as provided in section 1-7. (Ord. No. 0-28-81, Art. VII, § 6, 7-2-81)

cent per annum shall accrue on the total of all delinquent charges, including the ten (10) per cent charge provided for herein. (Ord. No. 0-28-81, Art. VIII, § 2,7-2-81)

See. 16-99. Superseding previous regulations.

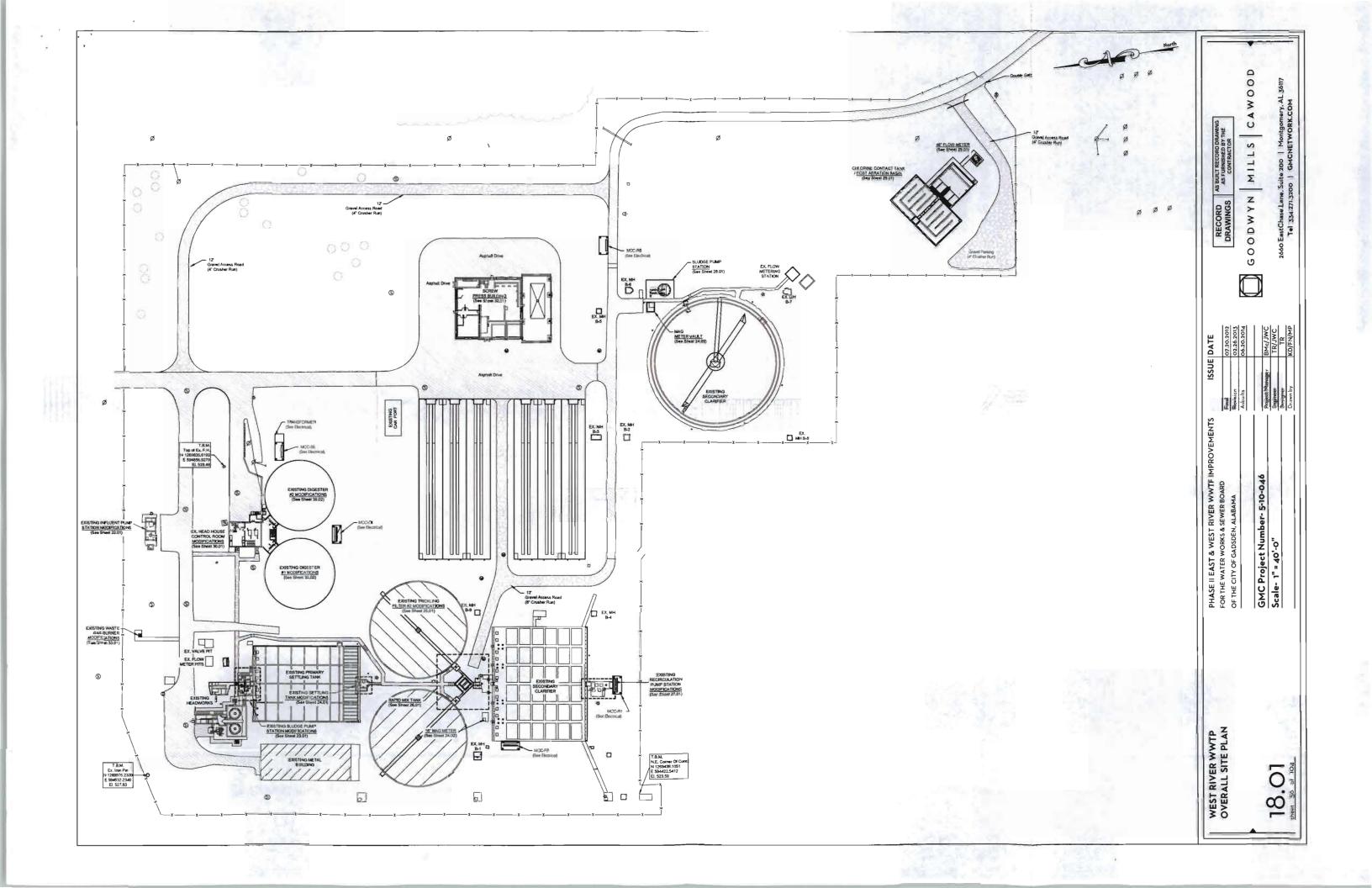
The provisions of this article governing sewer construction, sewer use and industrial wastewater discharges shall supersede all previous regulations of the water board. (Ord. No. 0-28-81, Art. IX, § 2, 7-2-81)

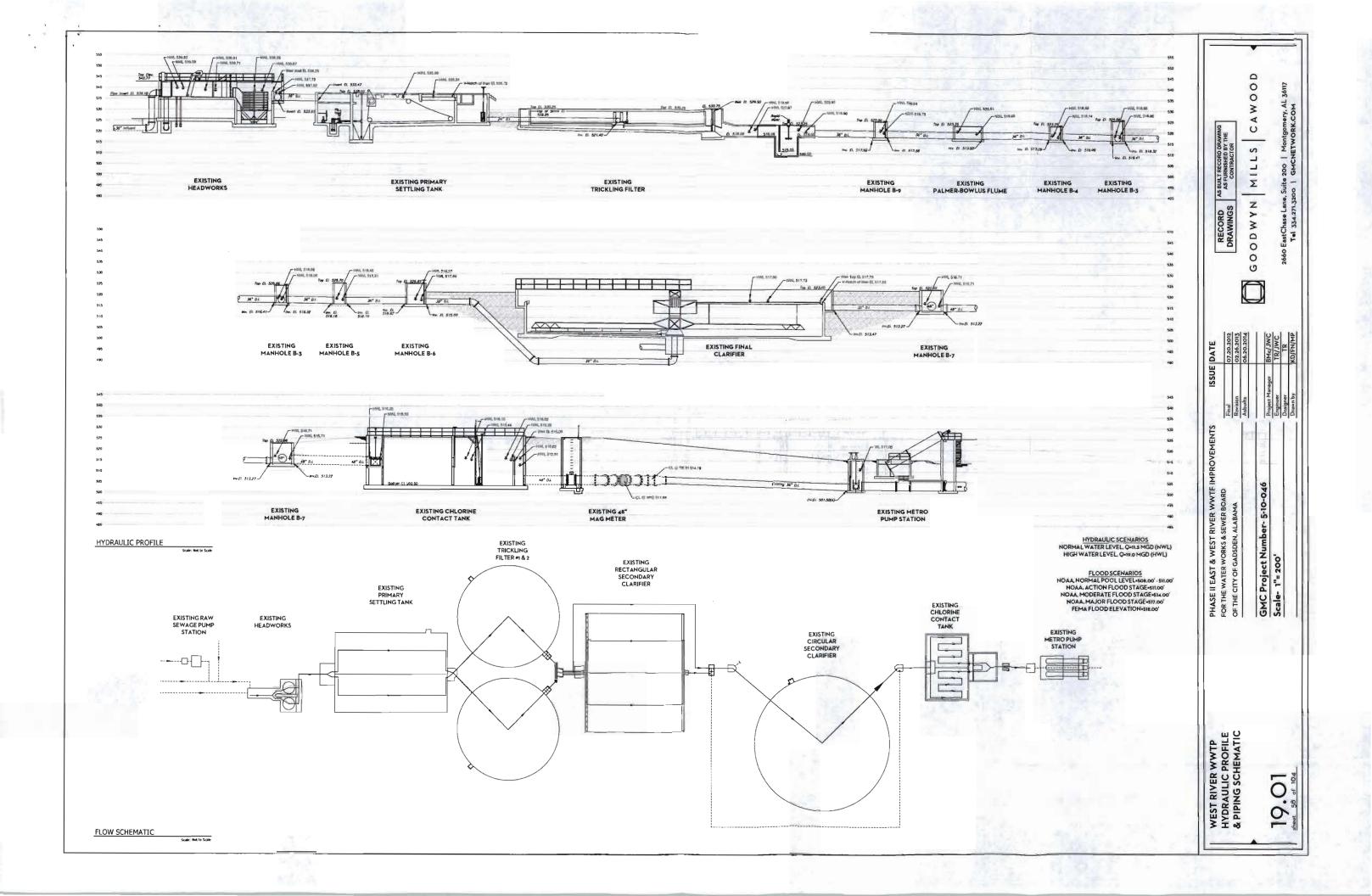
See. 16-100. Other laws, rules and regulations.

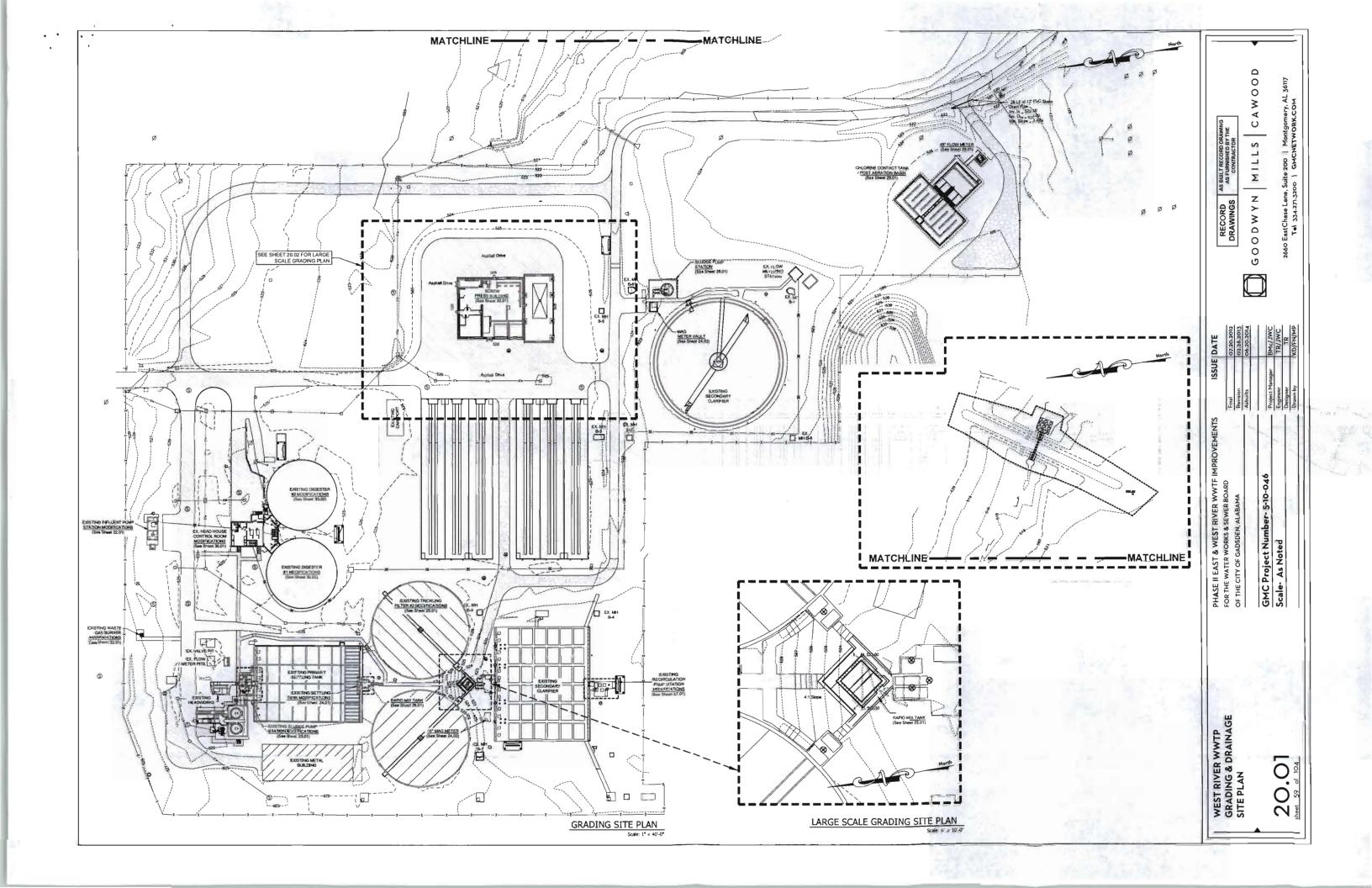
The provisions of this article are in addition to the applicable ordinances of the city, the codes and regulations of the county, and the laws, rules and regulations of the state and the United States. Where such laws, codes, ordinances, rules and regulations contain provisions more restrictive than those contained in this article, the former shall apply. (Ord. No. 0-28-81, Art. IX, § 3,7-2-81)

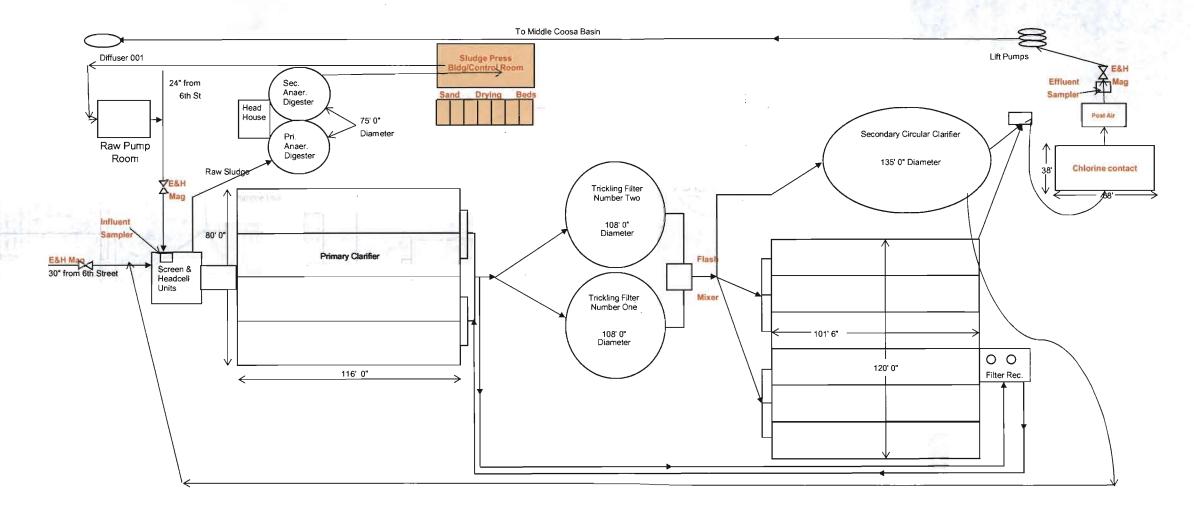
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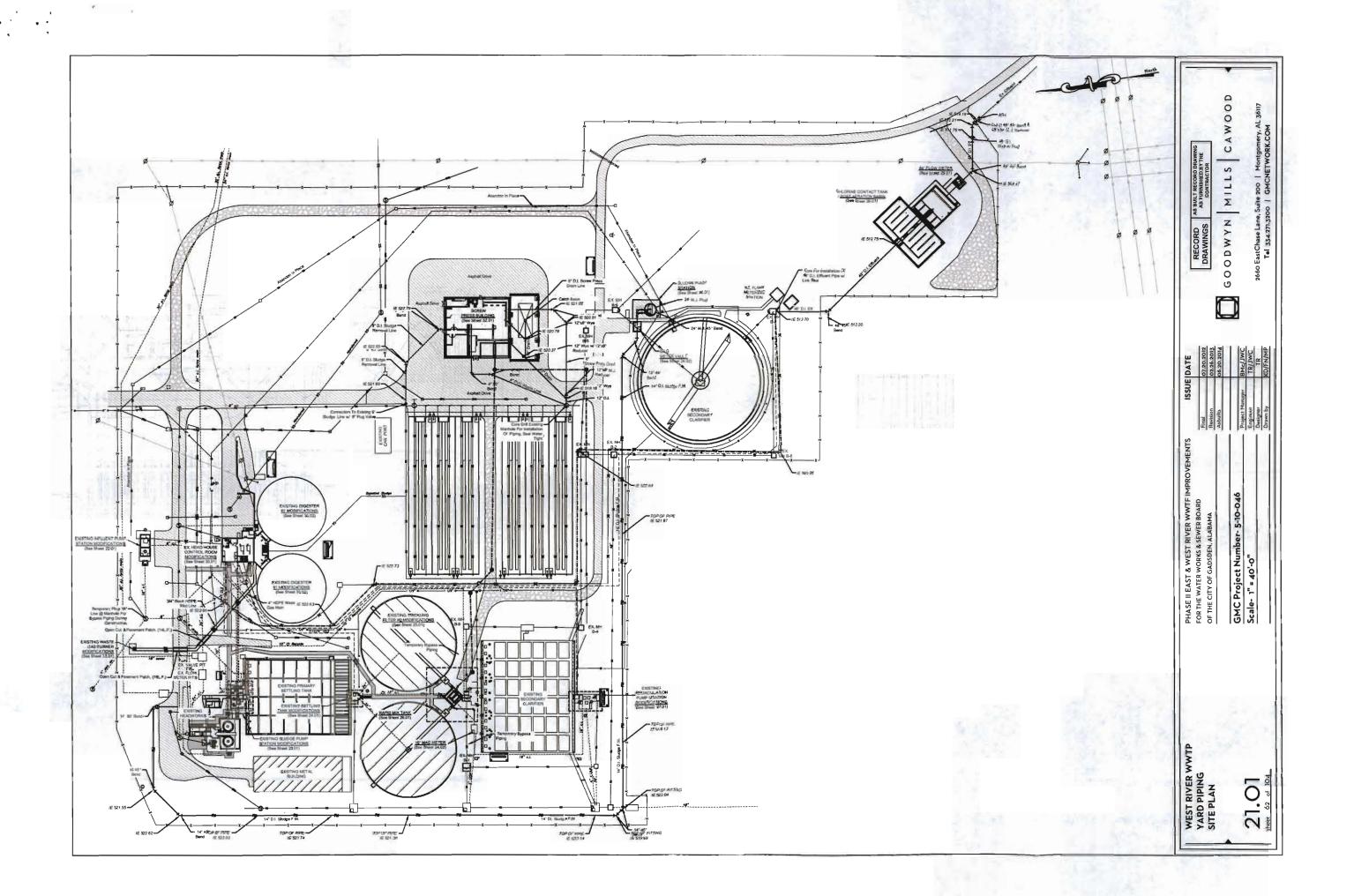


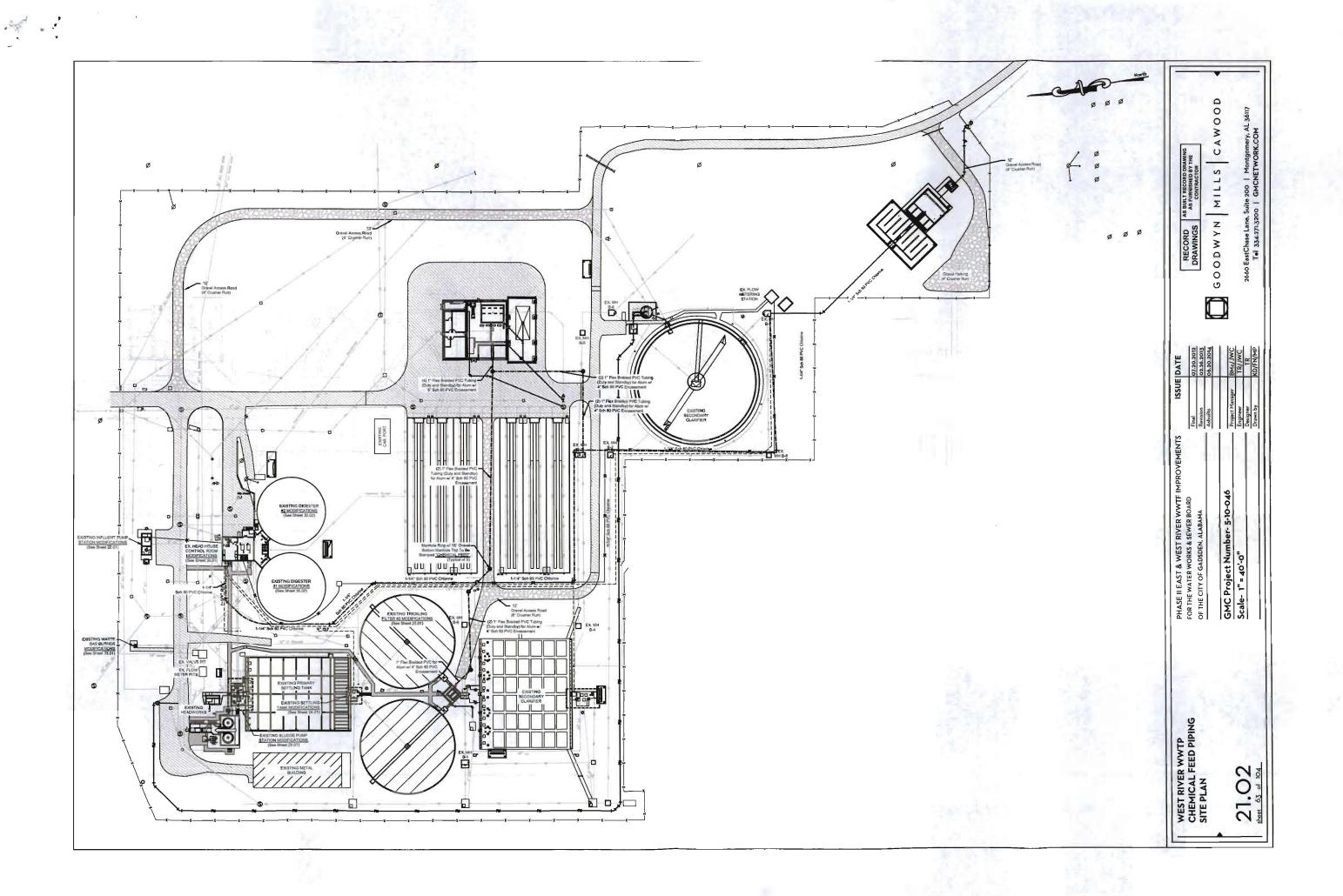




GADSDEN WEST RIVER WWTP

AL0053201 - Average Daily Flow (this Permit Application) - 6.710 MGD





EPA ID Number (copy from Item 1 of Form 1) 110002040960

Please print or type in the unshaded areas only.

Form Approved. OMB No. 2040-0086 Approval expires 5-31-92



U.S. Environmental Protection Agency Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location								
For each outfall, list t	he latitude an	d longitude of	its location to	the nearest 1	5 seconds a	and the name	ne of the receiving water.	
A. Outfall Number (list)		B. Latitude		C	. Longitude		D. Receiving Water (<i>name</i>)	1
002S	33.00	59.00	20.00	-86.00	2.00	14.00	O Coosa River (via Big Wills Creek)	
003S	33.00	59.00	9.00	-86.00	3.00	2.00	Coosa River (via Big Wills Creek)	
						-		
							A COLUMN TO THE REAL PROPERTY AND ADDRESS OF THE PARTY OF	
II. Improvements								

Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

Identification of Conditions,		2. Affected Outfalls			4. Final Compliance Date		
Agreements, Etc.	number source of discharge		Brief Description of Project	a. req.	b. proj.		
/A							

^{8:} You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharges from the facility.

Continued fr	om the Front						
	tive Description of Pollutar	nt Sources					
A. For eac	h outfall, provide an estimate of the area (d by the outfall.	include units) of imperious surfac	es (including p	paved areas	and building roofs) drained to the	ne outfall, and an estin	nate of the total surface area
Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	1	Area of Impervious Surfa (provide units)	се	Total Area Drained (provide units)
002S	N/A	2.9 Acres	0038	36,000	square feet		8.6 Acres
to storr storm v applied		ge, or disposal; past and pre ccess areas, and the location	esent materi n, manner, a	als manag and freque	ement practices employed t ncy in which pesticides, her	to minimize contact bicides, soil conditi	t by these materials with ioners, and fertilizers are
area is a bed use i is contai	s areas around the plant ar pproximately 36,000 square s greatly reduced with util ned on one of six (6) sand	feet, with ZERO (0) s ization of screw pres drying beds, with any	quare fee ses for s runoff r	t associ ludge de eturned	ated with 002S, and swatering. Any sludge to West River WWTP's	the remainder stored onsite influent pump	with 003S. Drying for later disposal station.
Access ro	cides are stored in a locke ads crest toward natural gr pond (Drainage and Site Pl on.	assy areas. Any signi	ficant st	orm wate	r from impervious ar	eas is passed	through storm water
descri	ach outfall, provide the location and ption of the treatment the storm wat solid or fluid wastes other than by di	er receives, including the sch	uctural and i	nonstructu ype of mai	ral control measures to redintenance for control and tre	uce pollutants in statement measures	torm water runoff; and a and the ultimate disposal
Outfall Number		Т	reatment				List Codes from Table 2F-1
002S	Drainage channel widened to allow water some quiescence, allowing settling and absorption. 1-F, 1-U, 1 4-A					1-F, 1-U, 1-X, 4-A	
0038	Storm water detention pond provides for some solids retention 1-F, 1-U, 1-X, 4-A						
				200	and the second		
V. Nonsto	ormwater Discharges						
	y under penalty of law hat the outfal primwater discharged from these outfi						r discharges, and that all
Name and (Official Title (type or print)	Signature			-	Date S	igned
Upon occu	e a description of the method used, trence of rain event, and s d by timing the filling of	ubsequent storm water	discharge				cocol. Flows were
VI. Signif	icant Leaks or Spills						
	existing information regarding the hate date and location of the spill or le				ardous pollutants at the fa	cility in the last th	ree years, including the
N/A	·						

· Control of the			
Continued from Page 2	EPA ID Number (copy from 110002040960	Item 1 of Form 1)	
/II. Discharge Information			
	oceeding. Complete one set of tables for each or re included on separate sheets numbers VII-1 a		e space provided.
Potential discharges not covered by currently use or manufacture as an int	analysis – is any toxic pollutant listed in table ermediate or final product or byproduct?	2F-2, 2F-3, or 2F-4, a substance or a	a component of a substance which ye
Yes (list all such pollutants	below)	No (go to Section IX)	
Phosphorus (T-P), pH, Carbonaceo	xygen Demand (COD), Total Suspended us Biochemical Oxygen Demand (CBOD) olved Oxygen (DO), Total Residual Cl	, Ammonia Nitrogen (NH3-N), N.	itrite (NO2-), Nitrate, (NO3-
/III. Biological Toxicity Testing	Data		
Do you have any knowledge or reason to	believe that any biological test for acute or chro	onic toxicity has been made on any of y	our discharges or on a receiving water
relation to your discharge within the last 3 Yes (list all such pollutants li	•	✓ No (go to Section IX)	
X. Contract Analysis Informatio			
	VII performed by a contract laboratory or consu	ulting firm?	
Yes (list the name, address,	and telephone number of, and pollutants laboratory or firm below)	No (go to Section X)	
A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
TL, Inc.	3516 Greensboro Avenue Tuscaloosa, AL 35404	205-345-0816	COD, O & G, TKN
		and the last transfer of the l	San

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (Type Or Print)	B. Area Code and Phone No.		
Chad Hare, General Manager	(256) 543-2884		
C. Signature	D. Date Signed		

VII. Discharge information (Continued from page 3 of Form 2F)

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall, See instructions for additional details.

110002040960

	171000	mum Values clude units)		Average Values (include units)			
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Sources of Pollutants	
Oil and Grease	2.4 mg/L	N/A	2.4 mg/L	N/A	1	Roads, driveways	
Biological Oxygen Demand (BOD5)	5.9 mg/L	N/A	5.9 mg/L	N/A	1	Lawns, landscaping, animal waste	
Chemical Oxygen Demand (COD)	114 mg/L	96.4 mg/L	114 mg/L	96.4 mg/L	1	Lawns, landscaping, animal waste	
Total Suspended Solids (TSS)	1110 mg/L	600 mg/L	1110 mg/L	600 mg/L	1	Erosion, sediment	
Total Kjeldahl Nitrogen	3.06 mg/L	2.82 mg/L	3.06 mg/L	2.82 mg/L	1	Soil Erosion, animal waste, naturally occurring	
Total Phosphorus	0.75 mg/L	0.54 mg/L	0.75 mg/L	0.54 mg/L	1	Soil Erosion, animal waste, naturally occurring	
pH	Minimum 7.13	Maximum 7.13	Minimum 7.13	Maximum 7.13	1	Hydrogen ion concentration in water	

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

		m Values le units)	Avera (inclu	ge Values ude units)	Number	
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Sources of Pollutants
Carbonaceous Blochemical Oxygen Demand (CBODS)	4.7 mg/L	6.0 mg/L	4.7 mg/L	6.0 mg/L	1	Lawns, landscaping, animal waste
Armonia Nitrogen (NH3-N)	0.89 mg/L	0.60 mg/L	0.89 mg/L	0.60 mg/L	1	Soil erosion, animal waste, naturally occurring
Nitrite (NO2)	0.52 mg/L	0.35 mg/L	0.52 mg/L	0.35 mg/L	1	Fertilizers, human and animal waste, naturally occurring
Nitrate (NO3)	4.16 mg/L	2.72 mg/L	4.16 mg/L	2.72 mg/L	1	Fertilizers, human and animal waste, naturally occurring
Escherichia coli (E. Coli)	9208.4 (MPN)	171.0 (MPN)	9208.4 (MPN)	171.0 (MPN)	1	Ruman and animal waste
Dissolved Oxygen (DO)	8.03 mg/L	N/A	8.03 mg/L	N/A	1	Naturally occurring
Total Residual Chlorine (TRC)	BDL	N/A	BDL	N/A	1	Disinfectant
Temperature	24.4 Degrees C	N/A	24.4 Degrees C	N/A	1	N/A
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Continued from the Front

170	(incl	ude units)	Average Values (include units)		Numbe	Number		
Pollutant and AS Number if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Event Sample	s	Sources of Pollutants	
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					_	_		
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		-						
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				-				
			1					
		-		-				
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			_	1				
+ n D-	could data for the at	arm avant(a) which read	Itad in the mevies	um values for the flow weig	alited nown	anita cananta		
ILD - FI	Ovide data for the st	omi eveni(s) which resu	ited in the maxim	4.	gnied comp	osite sample. 5.	T	
1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rain during storm (in inche	event	Number of hours betwe beginning of storm measi and end of previous measurable rain even	ured	imum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event	
/2015	205	1.0 inch	~5/	approximately 200		llons/minute	(gallons or specify units approximately 1,000	
rab)				•			gallons	
Drouida -	description of the	othed of flow measures	ent or actimate					
	description of the material by volume f	ethod of flow measurem ill rate.	ent or estimate.					

Instructions – Form 2F Application for Permit to Discharge Storm Water Associated with Industrial Activity

Who Must File Form 2F

Form 2F must be completed by operators of facilities which discharge storm water associated with industrial activity or by operators of storm water discharges that EPA is evaluating for designation as a significant contributor of pollutants to waters of the United States, or as contributing to a violation of a water quality standard.

Operators of discharges which are composed entirely of storm water must complete Form 2F (EPA Form 3510-2F) in conjunction with Form 1 (EPA Form 3510-1).

Operators of discharges of storm water which are combined with process wastewater (process wastewater is water that comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, waste product, or wastewater) must complete and submit Form 2F, Form 1, and Form 2C (EPA Form 3510-2C).

Operators of discharges of storm water which are combined with nonprocess wastewater (nonprocess wastewater includes noncontact cooling water and sanitary wastes which are not regulated by effluent guidelines or a new source performance standard, except discharges by educational, medical, or commercial chemical laboratories) must complete Form 1, Form 2F, and Form 2E (EPA Form 3510 2E).

Operators of new sources or new discharges of storm water associated with industrial activity which will be combined with other nonstormwater new sources or new discharges must submit Form 1, Form 2F, and Form 2D (EPA Form 3510-2D).

Where to File Applications

The application forms should be sent to the EPA Regional Office which covers the State in which the facility is located. Form 2F must be used only when applying for permits in States where the NPDES permits program is administered by EPA. For facilities located in States which are approved to administer the NPDES permits program, the State environmental agency should be contacted for proper permit application forms and instructions.

Information on whether a particular program is administered by EPA or by a State agency can be obtained from your EPA Regional Office. Form 1, Table 1 of the "General Instructions" lists the addresses of EPA Regional Offices and the States within the jurisdiction of each Office.

Completeness

Your application will not be considered complete unless you answer every question on this form and on Form 1. If an item does not apply to you, enter "NA" (for not applicable) to show that you considered the question.

Public Availability of Submitted Information

You may not claim as confidential any information required by this form or Form 1, whether the information is reported on the forms or in an attachment. Section 402(j) of the Clean Water Act requires that all permit applications will be available to the public. This information will be made available to the public upon request.

Any information you submit to EPA which goes beyond that required by this form, Form 1, or Form 2C you may claim as confidential, but claims for information which are effluent data will be denied.

If you do not assert a claim of confidentiality at the time of submitting the information, EPA may make the information public without further notice to you. Claims of confidentiality will be handled in accordance with EPA's business confidentiality regulations at 40 CFR Part 2.

Definitions

All significant terms used in these instructions and in the form are defined in the glossary found in the General Instructions which accompany Form 1.

EPA ID Number

Fill in your EPA Identification Number at the top of each odd numbered page of Form 2F. You may copy this number directly from item I of Form 1.

Item !

You may use the map you provided for item XI of Form 1 to determine the latitude and longitude of each of your outfalls and the name of the receiving water.

Item 11-A

If you check "yes" to this question, complete all parts of the chart, or attach a copy of any previous submission you have made to EPA containing the same information.

Item 11-B

You are not required to submit a description of future pollution control projects if you do not wish to or if none is planned.

Item III

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including:

each of its drainage and discharge structures;

the drainage area of each storm water outfall;

paved areas and building within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied;

each of its hazardous waste treatment, storage or disposal facilities (including each area not required to have a RCRA permit which is used for accumulating hazardous waste for less than 90 days under 40 CFR 262.34);

each well where fluids from the facility are injected underground; and

springs, and other surface water bodies which receive storm water discharges from the facility;

Item IV-A

For each outfall, provide an estimate of the area drained by the outfall which is covered by impervious surfaces. For the purpose of this application, impervious surfaces are surfaces where storm water runs off at rates that are significantly higher than background rates (e.g., predevelopment levels) and include paved areas, building roofs, parking lots, and roadways. Include an estimate of the total area (including all impervious and pervious areas) drained by each outfall. The site map required under item III can be used to estimate the total area drained by each outfall.

Item IV-B

Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored, or disposed in a manner to allow exposure to storm water; method of treatment, storage or disposal of these materials; past and present materials management practices employed, in the last three years, to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied. Significant materials should be identified by chemical name, form (e.g., powder, liquid, etc.), and type of container or treatment unit. Indicate any materials treated, stored, or disposed of together. "Significant materials" includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under Section 101 (14) of CERCLA; any chemical the facility is required to report pursuant to Section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with storm water discharges.

Item IV-C

For each outfall, structural controls Include structures which enclose material handling or storage areas, covering materials, berms, dikes, or diversion ditches around manufacturing, production, storage or treatment units, retention ponds, etc. Nonstructural controls include practices such as spill prevention plans, employee training, visual inspections, preventive maintenance, and housekeeping measures that are used to prevent or minimize the potential for releases of pollutants.

Item V

Provide a certification that all outfalls that should contain storm water discharges associated with industrial activity have been tested or evaluated for the presence of non-storm water discharges which are not covered by an NPDES permit. Tests for such non-storm water discharges may include smoke tests, fluorometric dye tests, analysis of accurate schematics, as well as other appropriate tests. Part B must include a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test. All non-storm water discharges must be identified in a Form 2C or Form 2E which must accompany this application (see beginning of instructions under section titled "Who Must File Form 2F" for a description of when Form 2C and Form 2E must be submitted).

Item VI

Provide a description of existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years.

Item VII-A, B, and C

These items require you to collect and report data on the pollutants discharged for each of your outfalls. Each part of this item addresses a different set of pollutants and must be completed in accordance with the specific instructions for that part. The following general instructions apply to the entire item.

General Instructions

Part A requires you to report at least one analysis for each pollutant listed. Parts B and C require you to report analytical data in two ways. For some pollutants addressed in Parts B and C, if you know or have reason to know that the pollutant is present in your discharge, you may be required to list the pollutant and test (sample and analyze) and report the levels of the pollutants in your discharge. For all other pollutants addressed in Parts B and C, you must list the pollutant if you know or have reason to know that the pollutant is present in the discharge, and either report quantitative data for the pollutant or briefly describe the reasons the pollutant is expected to be discharged. (See specific instructions on the form and below for Parts A through C.) Base your determination that a pollutant is present in or absent from your discharge on your knowledge of your raw materials, material management practices, maintenance chemicals, history of spills and releases, intermediate and final products and byproducts, and any previous analyses known to you of your effluent or similar effluent.

A. Sampling: The collection of the samples for the reported analyses should be supervised by a person experienced in performing sampling of industrial wastewater or storm water discharges. You may contact EPA or your State permitting authority for detailed guidance on sampling techniques and for answers to specific questions. Any specific requirements contained in the applicable analytical methods should be followed for sample containers, sample preservation, holding times, the collection of duplicate samples, etc. The time when you sample should be representative, to the extent feasible, of your treatment system operating properly with no system upsets. Samples should be collected from the center of the flow channel, where turbulence is at a maximum, at a site specified in your present permit, or at any site adequate for the collection of a representative sample.

For pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, and fecal coliform, grab samples taken during the first 30 minutes (or as soon thereafter as practicable) of the discharge must be used (you are not required to analyze a flow-weighted composite for these parameters). For all other pollutants both a grab sample collected during the first 30 minutes (or as soon thereafter as practicable) of the discharge and a flow-weighted composite sample must be analyzed. However, a minimum of one grab sample may be taken for effluents from holding ponds or other impoundments with a retention period of greater than 24 hours.

All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches and at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. Where feasible, the variance in the duration of the event and the total rainfall of the event should not exceed 50 percent from the average or median rainfall event in that area.

A grab sample shall be taken during the first thirty minutes of the discharge (or as soon thereafter as practicable), and a flow-weighted composite shall be taken for the entire event or for the first three hours of the event.

Grab and composite samples are defined as follows:

Grab sample: An individual sample of at least 100 milliliters collected during the first thirty minutes (or as soon thereafter as practicable) of the discharge. This sample is to be analyzed separately from the composite sample.

Flow-weighted Composite sample: A flow-weighted composite sample may be taken with a continuous sampler that proportions the amount of sample collected with the flow rate or as a combination of a minimum of three sample aliquots taken in each hour of discharge for the entire event or for the first three hours of the event, with each aliquot being at least 100 milliliters and collected with a minimum period of fifteen minutes between aliquot collections. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically. Where GC/MS Volatile Organic Analysis (VOA) is required, aliquots must be combined in the laboratory immediately before analysis. Only one analysis for the composite sample is required.

Data from samples taken in the past may be used, provided that:

All data requirements are met;

Sampling was done no more than three years before submission; and

All data are representative of the present discharge.

Among the factors which would cause the data to be unrepresentative are significant changes in production level, changes in raw materials, processes, or final products, and changes in storm water treatment. When the Agency promulgates new analytical methods in 40 CFR Part 136, EPA will provide information as to when you should use the new methods to generate data on your discharges. Of course, the Director may request additional information, including current quantitative data, if they determine it to be necessary to assess your discharges. The Director may allow or establish appropriate site-specific sampling procedures or requirements including sampling locations, the season in which the sampling takes place, the minimum duration between the previous measurable storm event and the storm event sampled, the minimum or maximum level of precipitation required for an appropriate storm event, the form of precipitation sampled (snow melt or rainfall), protocols for collecting samples under 40 CFR Part 136, and additional time for submitting data on a case-by-case basis.

B. Reporting: All levels must be reported as concentration and mass (note: grab samples are reported in terms of concentration). You may report some or all of the required data by attaching separate sheets of paper instead of filling out pages VII-1 and VII-2 if the separate sheets contain all the required information in a format which is constant with pages VII-1 and VII-2 in spacing and identification of pollutants and columns. Use the following abbreviations in the columns headed "Units."

	Concentration		Mass
ppm	parts per million	lbs	pounds
mg/1	milligrams per liter	ton	tons (English tons)
ppb	parts per billion	mg	milligrams
ug/1	micrograms per liter	g	grams
kg	kilograms	Т	tonnes (metric tons)

All reporting of values for metals must be in terms of "total recoverable metal," unless:

(1) An applicable, promulgated effluent limitation or standard specifies the limitation for the metal in dissolved, valent, or total form; or

- (2) All approved analytical methods for the metal inherently measure only its dissolved form (e.g., hexavalent chromium); or
- (3) The permitting authority has determined that in establishing case-by-case limitations it is necessary to express the limitations on the metal in dissolved, valent, or total form to carry out the provisions of the CWA. If you measure only one grab sample and one flow-weighted composite

sample for a given outfall, complete only the "Maximum Values" columns and insert "1" into the "Number of Storm Events Sampled" column. The permitting authority may require you to conduct additional analyses to further characterize your discharges.

If you measure more than one value for a grab sample or a flow-weighted composite sample for a given outfall and those values are representative of your discharge, you must report them. You must describe your method of testing and data analysis. You also must determine the average of all values within the last year and report the concentration and mass under the "Average Values" columns, and the total number of storm events sampled under the "Number of Storm Events Sampled" columns.

C. Analysis: You must use test methods promulgated in 40 CFR Part 136; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of the pollutant in your discharge provided that you submit a description of the method or a reference to a published method. Your description should include the sample holding time, preservation techniques, and the quality control measures which you used. If you have two or more substantially identical outfalls, you may request permission from your permitting authority to sample and analyze only one outfall and submit the results of the analysis for other substantially identical outfalls. If your request is granted by the permitting authority, on a separate sheet attached to the application form, identify which outfall you did test, and describe why the outfalls which you did not test are substantially identical to the outfall which you did test.

Part VII-A

Part VII-A must be completed by all applicants for all outfalls who must complete Form 2F.

Analyze a grab sample collected during the first thirty minutes (or as soon thereafter as practicable) of the discharge and flow-weighted composite samples for all pollutants in this Part, and report the results except use only grab samples for pH and oil and grease. See discussion in General Instructions to Item VII for definitions of grab sample collected during the first thirty minutes of discharge and flow-weighted composite sample. The "Average Values" column is not compulsory but should be filled out if data are available.

Part VII B

List all pollutants that are limited in an effluent guideline which the facility is subject to (see 40 CFR Subchapter N to determine which pollutants are limited in effluent guidelines) or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPIDES permit). Complete one table for each outfall. See discussion in General instructions to item VII for definitions of grab sample collected during the first thirty minutes (or as soon thereafter as practicable) of discharge and flow-weighted composite sample. The "Average Values" column is not compulsory but should be filled out if data are available.

Analyze a grab sample collected during the first thirty minutes of the discharge and flow-weighted composite samples for all pollutants in this Part, and report the results, except as provided in the General Instructions.

Part VII-C

Part V11-C must be completed by all applicants for all outfalls which discharge storm water associated with industrial activity, or that EPA is evaluating for designation as a significant contributor of pollutants to waters of the United States, or as contributing to a violation of a water quality standard. Use both a grab sample and a composite sample for all pollutants you analyze for in this part except use grab samples for residual chlorine and fecal coliform. The "Average Values" column is not compulsory but should be filled out if data are available. Part C requires you to address the pollutants in Table 2F-2, 2F-3, and 2F-4 for each outfall. Pollutants in each of these Tables are addressed differently.

Table 2F-2: For each outfall, list all pollutants in Table 2F-2 that you know or have reason to believe are discharged (except pollutants previously listed in Part VII-B). If a pollutant is limited in an effluent guideline limitation which the facility is subject to, the pollutant must be analyzed and reported in Part VII-B. If a pollutant in Table 2F-2 is indirectly limited by an effluent guideline limitation through an indicator (e.g., use of **TSS** as an indicator to control the discharge of iron and aluminum), you must analyze for it and report the data in Part VII-B. For other pollutants listed in Table 2F-2 (those not limited directly or indirectly by an effluent limitation guideline), that you know or have reason to believe are discharged, you must either report quantitative data or briefly describe the reasons the pollutant is expected to be discharged.

Table 2F-3: For each outfall, list all pollutants in Table 2F-3 that you know or have reason to believe are discharged. For every pollutant in Table 2F-3 expected to be discharged in concentrations of 10 ppb or greater, you must submit quantitative data. For acrolein, acrylonitrile, 2,4 dinitrophenol, and 2-methyl-4,6 dinitrophenol, you must submit quantitative data if any of these four pollutants is expected to be discharged in concentrations of 100 ppb or greater. For every pollutant expected to be discharged in concentrations less than 10 ppb (or 100 ppb for the four pollutants listed above), then you must either submit quantitative data or briefly describe the reasons the pollutant is expected to be discharged.

Small Business Exemption - If you are a "small business," you are exempt from the reporting requirements for the organic toxic pollutants listed in Table 2F-3. There are two ways in which you can qualify as a small business". If your facility is a coal mine, and if your probable total annual production is less than 100,000 tons per year, you may submit past production data or estimated future production (such as a schedule of estimated total production under 30 CFR 795.14(c)) instead of conducting analyses for the organic toxic pollutants. If your facility is not a coal mine, and if your gross total annual sales for the most recent three years average less than \$100,000 per year (in second quarter 1980 dollars), you may submit sales data for those years instead of conducting analyses for the organic toxic pollutants. The production or sales data must be for the facility which is the source of the discharge. The data should not be limited to production or sales for the process or processes which contribute to the discharge, unless those are the only processes at your facility. For sales data, in situations involving intracorporate transfer of goods and services, the transfer price per unit should approximate market prices for those goods and services as closely as possible. Sales figures for years after 1980 should be indexed to the second quarter of 1980 by using the gross national product price deflator (second quarter of 1980=100). This index is available in National Income and Product Accounts of the United States (Department of Commerce, Bureau of Economic Analysis).

Table 2F-4: For each outfall, list any pollutant in Table 2F-4 that you know or believe to be present in the discharge and explain why you believe it to be present. No analysis is required, but if you have analytical data, you must report them. Note: Under 40 CFR 117.12(a)(2), certain discharges of hazardous substances (listed at 40 CFR 177.21 or 40 CFR 302.4) may be exempted from the requirements of section 311 of CWA, which establishes reporting requirements, civil penalties, and liability for cleanup costs for spills of oil and hazardous substances. A discharge of a particular substance may be exempted if the origin, source, and amount of the discharged substances are identified in the NPDES permit application or in the permit, if the permit contains a requirement for treatment of the discharge, and if the treatment is in place. To apply for an exclusion of the discharge of any hazardous substance from the requirements of section 311, attach additional sheets of paper to your form, setting forth the following information:

- 1. The substance and the amount of each substance which may be discharged.
- 2. The origin and source of the discharge of the substance.
- 3. The treatment which is to be provided for the discharge by;
 - a. An onsite treatment system separate from any treatment system treating your normal discharge;
 - b. A treatment system designed to treat your normal discharge and which is additionally capable of treating the amount of the substance identified under paragraph 1 above; or
 - c. Any combination of the above.

See 40 CFR 117.12(a)(2) and (c), published on August 29, 1979, in 44 FR 50766, or contact your Regional Office (Table I on Form 1, Instructions), for further information on exclusions from section 311.

Part VII-D

If sampling is conducted during more than one storm event, you only need to report the information requested in Part VII-D for the storm event(s) which resulted in any maximum pollutant concentration reported in Part VII-A, VII-B, or VII-C.

Provide flow measurements or estimates of the flow rate, and the total amount of discharge for the storm event(s) sampled, the method of flow measurement, or estimation. Provide the data and duration of the storm event(s) sampled, rainfall measurements, or estimates of the storm event which generated the sampled runoff and the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event.

Part VII-E

List any toxic pollutant listed in Tables 2F-2, 2F-3, or 2F-4 which you currently use or manufacture as an intermediate or final product or byproduct. In addition, if you know or have reason to believe that 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) is discharged or if you use or manufacture 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); then list TCDD. The Director may waive or modify the requirement if you demonstrate that it would be unduly burdensome to identify each toxic pollutant and the Director has adequate information to issue your permit. You may not claim this information as confidential; however, you do not have to distinguish between use or production of the pollutants or list the amounts.

Item VIII

Self explanatory. The permitting authority may ask you to provide additional details after your application is received.

Item X

The Clean Water Act provides for severe penalties for submitting false information on this application form.

Section 309(c)(4) of the Clean Water Act provides that "Any person who knowingly makes any false material statement, representation, or certification in any application, . . . shall upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than 2 years, or by both. If a conviction of such person is for a violation committed after a first conviction of such person under this paragraph, punishment shall be by a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or by both." 40 CFR Part 122.22 requires the certification to be signed as follows:

(A) For a corporation: by a responsible corporate official. For purposes of this section, a responsible corporate official means (i) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000 (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

Note: EPA does not require specific assignments or delegation of authority to responsible corporate officers identified in 122.22(a)(1)(i) The Agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the Director to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate position under 122.22(a)(1)(ii) rather than to specific individuals.

- (B) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- **(C)** For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

Table 2F-1 Codes for Treatment Units

Physical Treatment Processes

1-A 1-B 1-C 1-D 1-E 1-F 1-G	Ammonia Stripping Dialysis Diatomaceous Earth Filtration Distillation Electrodialysis Evaporation Flocculation	1-M 1-N 1-0 1-P 1-Q 1-R 1-S	Grit Removal Microstraining Mixing Moving Bed Filters Multimedia Filtration Rapid Sand Filtration Reverse Osmosis (Hyperfiltration)
1-H	Flotation	1-T	Screening
1-1	Foam Fractionation	1-U	Sedimentation (Setting)
1-J	Freezing	1-V	Slow Sand Filtration
1-K 1-L	Gas-Phase Separation	1-W	Solvent Extraction
I-L	Grinding (Comminutors)	1-X	Sorption
	Chemical Treatment I	Processe	S
2-A 2-B	Carbon Adsorption Chemical Oxidation	2-G 2-H	Disinfection (Ozone) Disinfection (Other)
2-C 2-D	Chemical Precipitation Coagulation	2-I 2-J	Electrochemical Treatment
2-D 2-E	Dechlorination	2-J 2-K	lon Exchange Neutralization
2-F	Disinfection (Chlorine)	2-L	Reduction
	Biological Treatment		s
3-A	Activated Sludge	3-E	Pre-Aeration
3-B	Aerated Lagoons	3-F	Spray Irrigation/Land Application
3-C	Anaerobic Treatment	3-G	Stabilization Ponds
3-D	Nitrification-Denitrification	3-H	Trickling Filtration
	Other Process	ies	
4-A	Discharge to Surface Water	4-C	Reuse/Recycle of Treated Effluent
4-B	Ocean Discharge Through Outfall	4-D	Underground Injection
	Sludge Treatment and Disp	osal Prod	cesses
5-A 5-B 5-C 5-E 5-F 5-G 5-H 5-I 5-K 5-L	Aerobic Digestion Anaerobic Digestion Belt Filtration Centrifugation Chemical Conditioning Chlorine Treatment Composting Drying Beds Elutriation Flotation Thickening Freezing Gravity Thickening	5-M 5-0 5-0 5-0 5-5-5-7 5-5-5-5-5-5-5-5-W	Heat Drying Heat Treatment Incineration Land Application Landfill Pressure Filtration Pyrolysis Sludge Lagoons Vacuum Filtration Vibration Wet Oxidation
~ -			

Table 2F-2

Conventional and Nonconventional Pollutants

Bromide Chlorine, Total Residual Color Fecal Coliform Fluoride Nitrate-Nitrite Nitrogen, Total Organic Oil and Grease Phosphorus, Total Radioactivity Sulfate Sulfite Surfactants Aluminum, Total Barium, Total Boron, Total Cobalt Total Iron, Total Magnesium, Total Molybdenum, Total Manganese, Total Tin, Total Titanium, Total



Table 2F-3

Toxic Pollutants

Toxic Pollutants and Total Phenol

Antimony, Total
Arsenic, Total
Beryllium, Total
Cadmium, Total
Chromium, Total

Copper, Total Lead, Total Mercury, Total Nickel, Total Selenium, Total

Silver, Total Thallium, Total Zinc, Total Cyanide, Total Phenols, Total

GC/MS Fraction Volatiles Compounds

Acrolein
Acrylonitrile
Benzene
Bromoform
Carbon Tetra
Chlorobonzo

Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane

2-Chloroethylvinyl Ether Chloroform

Chlorotorm

2-Chlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 4,6-Dinitro-O-Cresol

Acenaphthene
Acenaphthylene
Anthracene
Benzidine
Benzo(a)anthracene
Benzo(a)pyrene
3,4-Benzofluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylyhexyl)phthalate
4-Bromophenyl Phenyl Ether
Butylbenzyl Phthalate

Aldrin Alpha-BHC Beta-BHC Gamma-BHC Delta-BHC Chlordane 4,4'-DDT 4,4'-DDE 4,4'-DDD

Dichlorobromomethane 1,1,2,2,-Tetrachloroethane 1,1-Dichloroethane Tetrachloroethylene 1,2-Dichloroethane Toluene 1,1-Dichloroethylene 1,2-Trans-Dichloroethylene 1,2-Dichloropropane 1.1.1-Trichloroethane 1.3-Dichloropropylene 1.1.2-Trichloroethane Ethylbenzene Trichloroethylene Methyl Bromide Vinyl Chloride Methyl Chloride Methylene Chloride

Acid Compounds

2,4-Dinitrophenol 2-Nitrophenol 4-Nitrophenol p-Chloro-M-Cresol

Pentachlorophenol Phenol 2,4,6-Trichlorophenol 2-methyl-4,6 dinitrophenol

Base/Neutral

2-Chloronaphthalene
4-Chlorophenyl Phenyl Ether
Chrysene
Dibenzo(a,h)anthracene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3'-Dichlorobenzidine
Diethyl Phthalate
Dimethyl Phthalate
Di-N-Butyl Phthalate
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Di-N-Octyphthalate
1,2-Diphenylhydrazine (as Azobenzene)

Fluroranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Napthalene
Nitrobenzene

N-Nitrosodimethylamine
N-Nitrosodi-N-Propylamine
N-Nitrosodiphenylamine
Phenanthrene
Pyrene

1,2,4-Trichlorobenzene

Pesticides

Dieldrin Alpha-Endosulfan Beta-Endosulfan Endosulfan Sulfate Endrin Endrin Aldehyde Heptachlor Heptachlor Epoxide PCB-1242 PCB-1254 PCB-1221 PCB-1232 PCB-1248 PGB-1260 PCB-1016 Toxaphene

Table 2F-4

Hazardous Substances

Toxic Pollutant

Asbestos

Hazardous Substances

Acetaldehyde
Allyl alcohol
Allyl chloride
Amyl acetate
Aniline .
Benzonitrile
Benzyl chloride
Butyl acetate
Butylamine
Carbaryl
Carbofuran
Carbon disulfide
Chlorpyrifos
Coumaphos

Cresol Crotonaldehyde

Dimethyl amine

Cyclohexane
2,4-D (2,4-Dichlorophenoxyacetic acid)
Diazinon
Dicamba
Dichlobenil
Dichlone
2,2-Dichloropropionic acid
Dichlorvos
Diethyl amine

Diuron
Epichlorohydrin
Ethion
Ethylene diamine
Ethylene dibromide
Formaldehyde
Furfural
Guthion
Isoprene
Isopropanolamine
Kelthane

Dinitrobenzene

Diquat

Disulfoton

Mercaptodimethur Methoxychlor

Kepone

Malathion

Methyl mercaptan Methyl methacrylate Methyl parathion Mevinphos Mexacarbate Monoethyl amine Monomethyl amine Naled Napthenic acid Nitrotoluene Parathion Phenolsulfonate Phosgene Propargite Propylene oxide Pyrethrins Quinoline Resorcinol Stronthium Strychnine Styrene

2,4,5-T (2,4,5-Trichlorophenoxyacetic

acid)

TDÉ (Tetrachlorodiphenyl ethane) 2,4,5-TP [2-(2,4,5-Trichlorophenoxy)

propanoic acid] Trichlorofan Triethylamine

Trimethylamine Uranium Vanadium Vinyl acetate Xylene Xylenol Zirconium

Disclaimer

This is an updated PDF document that allows you to type your information directly into the form, print it, and save the completed form.

Note: This form can be viewed and saved only using Adobe Acrobat Reader version 7.0 or higher, or if you have the full Adobe Professional version.

Instructions:

- 1. Type in your information
- 2. Save file (if desired)
- 3. Print the completed form
- 4. Sign and date the printed copy
- 5. Mail it to the directed contact.

FORM NPDES U.S. Environmental Protection Agency Washington, DC 20460

Application for Permit to Discharge Storm Water **Discharges Associated with Industrial Activity**

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location										
For each outfall, list t	he latitude and	d longitude of it	ts location to	the nearest 15	5 seconds ar	nd the name	of the receiving	water.		
A. Outfall Number (list) B. Latitude		C. Longitude			D. Receiving Water (name)					
003S	33.00	59.00	9.00	-86.00	2.00	2.00	Coosa River	(via Big Wills	Creek)	
						Systel.				
						124				
						114-1				
							_			
						120			-	
II. Improvements										

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

Identification of Conditions,		2. Affected Outfalls		4. Final Compliance Date		
Agreements, Etc.	number	source of discharge	Brief Description of Project	a. req.	b. proj.	
N/A						
# E - E - E - E - E - E - E - E - E - E						
			To the second se			
	 					
	1					
	+					
	 					
	+					
						
	 - 					
		110		-		

B: You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharges from the facility.

Continued from	and and I have	0		- Albania	Military management and our party	ومعطام يتدره	The statement
A. For eac	tive Description of Pollutant in outfall, provide an estimate of the area (Incl.		es (including	paved areas ar	nd building roofs) drained to the outfal	I, and an estimate	of the total surface area
Outfall Number	I by the outfall. Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	- 10	Area of Impervious Surface (provide units)		Total Area Drained (provide units)
	36,000 square feet	8.6 Acres	1		(provide units)		(provide units)
to storm vapplied Imperviou area is a use is groontained All herbi	s areas around the plant are pproximately 36,000 square feeatly reduced with utilizatio on one of six (6) sand dryin cides are stored in a locked ads crest toward natural graspond (Drainage and Site Plan	or disposal; past and press areas, and the location limited to access ret, with 36,000 squan of screw presses g beds, with any rustorage area, and assy areas. Any signi	sent mater n, manner, oad, park are feet for sludg noff retu re applie	als management and frequence ing areas associated edwater winded to work and per manuacion water	nent practices employed to mining in which pesticides, herbicides, herbicides, and access for sand drawith 003S, and the remaing. Any sludge stored of est River WWTP's influent afacturers' recommendation from impervious areas in	mize contact by a soil conditioner with a sinder with a sinder with the pump static ons in/on persons in/on persons spassed thres	these materials with ers, and fertilizers are lotal impervious 002S. Drying bed ther disposal is on. ervious areas.
descri	ach outfall, provide the location and a option of the treatment the storm water resolid or fluid wastes other than by disch	eceives, including the sch					
Outfail Number						List Codes from Table 2F-1	
003S	Storm water detention pond provides for some solids retention. 1-F, 1-U, 1-X, 4-A					,	
V Name 4	Discharge	- Williamson	- 200		Branch Malaki apata	Secretary of	Market St.
v. Nonsto	ormwater Discharges						
	y under penalty of law hat the outfall(s)						charges, and that all

A. I certify under penalty of law hat the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater	r discharges,	and that al
nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or From 2E application for the outfall.		

Name and Official Title (type or print)	Signature	Date Signed

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

Upon occurrence of rain event, and subsequent storm water discharge, 003S was sampled per Storm water 2F protocol. Flows were determined by timing the filling of jugs and five gallon buckets.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

N/A

Continued	from	Page :
VII. Dischar	ge In	format

EPA ID Number (copy from Item 1 of Form 1) 110002040960

VII. Discharge Information					
	efore proceeding. Complete one set of tables for ea		e space provided.		
Table VII-A, VII-B,	VII-C are included on separate sheets numbers VI	-1 and VII-2.			
	ered by analysis – is any toxic pollutant listed in to as an intermediate or final product or byproduct?		a component of a substance which you		
✓ Yes (list all such po		No (go to Section IX)	1000		
Phosphorus (T-P), pH, Carbo	ical Oxygen Demand (COD), Total Suspendonaceous Biochemical Oxygen Demand (CB), Dissolved Oxygen (DO), Total Residua	OD), Ammonia Nitrogen (NH3-N), N	itrite (NO2-), Nitrate, (NO3-),		
VIII. Biological Toxicity Te	sting Data		and the second second		
Do you have any knowledge or re relation to your discharge within the	eason to believe that any biological test for acute or	chronic toxicity has been made on any of ye	our discharges or on a receiving water in		
Yes (list all such pol		No (go to Section IX)			
	mation If in Item VII performed by a contract laboratory or conditions, and telephone number of, and pollutants	onsulting firm? No (go to Section X)			
	ch such laboratory or firm below)	Ho (go to Section X)	D. D. W. Land A. A. Land		
A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed		
TTL, Inc.	3516 Greensboro Avenue Tuscaloosa, AL 35404	205-345-0816	COD, O & G, TKN		
that qualified personnel property g directly responsible for gathering	this document and all attachments were prepared ather and evaluate the information submitted. Base the information, the information submitted is, to the submitting false information, including the possibility	d on my inquiry of the person or persons wi e best of my knowledge and belief, true, a	no manage the system or those persons courate, and complete. I am aware that		
A. Name & Official Title (Type Or Pr	int)	B. Area Code and Phone No.			
Chad Hare, General Ma	anager	(256) 543-2884			
C. Signature		D. Date Signed			
1114		11/3/16			

VII. Discharge information (Continued from page 3 of Form 2F)

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1795		num Values lude units)	Average Values (include units)		Number	
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Sources of Pollutants
Oil and Grease	3.0 mg/L	N/A	3.0 mg/L	N/A	1	Roads, driveways
Biological Oxygen Demand (BOD5)	10.1 mg/L	N/A	10.1 mg/L	N/A	1	Lawns, landscaping, animal waste
Chemical Oxygen Demand (COD)	120 mg/L	87.7 mg/L	120 mg/L	87.7 mg/L	1	Lawns, landscaping, animal waste
Total Suspended Solids (TSS)	508 mg/L	215 mg/L	508 mg/L	215 mg/L	1	Erosion, sediment
Total Kjeldahl Nitrogen	2.64 mg/L	2.34 mg/L	2.64 mg/L	2.34 mg/L	1	Soil Erosion, animal waste, naturally occurring
Total Phosphorus	1.23 mg/L	0.81 mg/L	1.23 mg/L	0.81 mg/L	1	Soil Erosion, animal waste, naturally occurring
pH	Minimum 7.57	Maximum 7.57	Minimum 7.57	Maximum 7.57	1	Hydrogen ion concentration in water

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

		Maximum Values (include units)		Average Values (include units)		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
Carbonaceous Biochemical Oxygen Demand (CBOD5)	7.7 mg/L	7.0 mg/L	7.7 mg/L	7.0 mg/L	1	Lawns, landscaping, animal waste
Ammonia Nitrogen (NH3-N)	0.86 mg/L	0.41 mg/L	0.86 mg/L	0.41 mg/L	1	Soil erosion, animal waste, naturally occurring
Nitrite (NO2)	0.17 mg/L	0.07 mg/L	0.17 mg/L	0.07 mg/L	1	Fertilizers, human and animal waste, naturally occurring
Nitrate (NO3)	1.88 mg/L	1.45 mg/L	1.88 mg/L	1.45 mg/L	1	fertilizers, human and animal waste, naturally occurring
Escherichia coli (B. Coli)	2827.2 (MPN)	689.6 (MPN)	2827.2 (MPN)	689.6 (MPN)	1	Human and animal waste
Dissolved Oxygen (DO)	7.34 mg/L	N/A	7.34 mg/L	N/A	1	Naturally occurring
Total Residual Chlorine (TRC)	BDL	N/A	BDL	N/A	1	Disinfectant
Temperature	24.9 Degrees C	N/A	24.9 Degrees C	N/A	1	N/A
					+	
					1	
					1	- .
			1			
_						
						
						

Continued from the Front

Part C - Lis	t each pollutant sho juirements. Complet	wn in Table 2F-2, 2F-3 e one table for each ou	, and 2F-4 that yo tfall.	ou know or have reason to	believe is prese	nt. See the instru	ctions for additional details and
	Maximo	um Values ide units)	Ave	erage Values aclude units)	Number		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	So	ources of Pollutants
						_	
				-	1		
						_	
						_	
PantD⊸ Pro	ovide data for the sto	orm event(s) which resu	lited in the maxim	um values for the flow wei	ghted composite	sample.	
1.	2.	3.		4.		5.	6.
Date of	2. Duration	J. Total rair	nfall	Number of hours between beginning of storm meas		flow rate during ain event	Total flow from
Storm	of Storm Event	during storm (in inche	event	and end of previous measurable rain ever		ns/minute or ecify units)	rain event (gallons or specify units)
8/6/2015	(in minutes)	1.0 inch		approximately 200		ons/minute	approximately 25,000
(Grab)	203			appronument, 100		,	gallons
		<u> </u>					
	7. Provide a description of the method of flow measurement or estimate.						
Flow estima	ted by volume f	ill rate.					

Instructions – Form 2F Application for Permit to Discharge Storm Water Associated with Industrial Activity

Who Must File Form 2F

Form 2F must be completed by operators of facilities which discharge storm water associated with industrial activity or by operators of storm water discharges that EPA is evaluating for designation as a significant contributor of pollutants to waters of the United States, or as contributing to a violation of a water quality standard.

Operators of discharges which are composed entirely of storm water must complete Form 2F (EPA Form 3510-2F) in conjunction with Form 1 (EPA Form 3510-1).

Operators of discharges of storm water which are combined with process wastewater (process wastewater is water that comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, waste product, or wastewater) must complete and submit Form 2F, Form 1, and Form 2C (EPA Form 3510-2C).

Operators of discharges of storm water which are combined with nonprocess wastewater (nonprocess wastewater includes noncontact cooling water and sanitary wastes which are not regulated by effluent guidelines or a new source performance standard, except discharges by educational, medical, or commercial chemical laboratories) must complete Form 1, Form 2F, and Form 2E (EPA Form 3510 2E).

Operators of new sources or new discharges of storm water associated with industrial activity which will be combined with other nonstormwater new sources or new discharges must submit Form 1, Form 2F, and Form 2D (EPA Form 3510-2D).

Where to File Applications

The application forms should be sent to the EPA Regional Office which covers the State in which the facility is located. Form 2F must be used only when applying for permits in States where the NPDES permits program is administered by EPA. For facilities located in States which are approved to administer the NPDES permits program, the State environmental agency should be contacted for proper permit application forms and instructions.

Information on whether a particular program is administered by EPA or by a State agency can be obtained from your EPA Regional Office. Form 1, Table 1 of the "General Instructions" lists the addresses of EPA Regional Offices and the States within the jurisdiction of each Office.

Completeness

Your application will not be considered complete unless you answer every question on this form and on Form 1. If an item does not apply to you, enter "NA" (for not applicable) to show that you considered the question.

Public Availability of Submitted Information

You may not claim as confidential any information required by this form or Form 1, whether the information is reported on the forms or in an attachment. Section 402(j) of the Clean Water Act requires that all permit applications will be available to the public. This information will be made available to the public upon request.

Any information you submit to EPA which goes beyond that required by this form, Form 1, or Form 2C you may claim as confidential, but claims for information which are effluent data will be denied.

If you do not assert a claim of confidentiality at the time of submitting the information, EPA may make the information public without further **notice to** you. Claims of confidentiality will be handled in accordance with EPA's business confidentiality regulations at 40 CFR Part 2.

Definitions

All significant terms used in these instructions and in the form are defined in the glossary found in the General Instructions which accompany Form 1.

EPA ID Number

Fill in your EPA Identification Number at the top of each odd numbered page of Form 2F. You may copy this number directly from item I of Form 1.

Item I

You may use the map you provided for item XI of Form 1 to determine the latitude and longitude of each of your outfalls and the name of the receiving water.

Item 11-A

If you check "yes" to this question, complete all parts of the chart, or attach a copy of any previous submission you have made to EPA containing the same information.

item 11-B

You are not required to submit a description of future pollution control projects if you do not wish to or if none is planned.

Item III

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including:

each of its drainage and discharge structures;

the drainage area of each storm water outfall;

paved areas and building within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied;

each of its hazardous waste treatment, storage or disposal facilities (including each area not required to have a RCRA permit which is used for accumulating hazardous waste for less than 90 days under 40 CFR 262.34);

each well where fluids from the facility are injected underground; and

springs, and other surface water bodies which receive storm water discharges from the facility;

Item IV-A

For each outfall, provide an estimate of the area drained by the outfall which is covered by impervious surfaces. For the purpose of this application, impervious surfaces are surfaces where storm water runs off at rates that are significantly higher than background rates (e.g., predevelopment levels) and include paved areas, building roofs, parking lots, and roadways. Include an estimate of the total area (including all impervious and pervious areas) drained by each outfall. The site map required under item III can be used to estimate the total area drained by each outfall.

Item IV-B

Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored, or disposed in a manner to allow exposure to storm water; method of treatment, storage or disposal of these materials; past and present materials management practices employed, in the last three years, to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied. Significant materials should be identified by chemical name, form (e.g., powder, liquid, etc.), and type of container or treatment unit. Indicate any materials treated, stored, or disposed of together. "Significant materials" includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under Section 101 (14) of CERCLA; any chemical the facility is required to report pursuant to Section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with storm water discharges.

Item IV-C

For each outfall, structural controls Include structures which enclose material handling or storage areas, covering materials, berms, dikes, or diversion ditches around manufacturing, production, storage or treatment units, retention ponds, etc. Nonstructural controls include practices such as spill prevention plans, employee training, visual inspections, preventive maintenance, and housekeeping measures that are used to prevent or minimize the potential for releases of pollutants.

Item V

Provide a certification that all outfalls that should contain storm water discharges associated with industrial activity have been tested or evaluated for the presence of non-storm water discharges which are not covered by an NPDES permit. Tests for such non-storm water discharges may include smoke tests, fluorometric dye tests, analysis of accurate schematics, as well as other appropriate tests. Part B must include a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test. All non-storm water discharges must be identified in a Form 2C or Form 2E which must accompany this application (see beginning of instructions under section titled "Who Must File Form 2F" for a description of when Form 2C and Form 2E must be submitted).

Item Vi

Provide a description of existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years.

Item VII-A, B, and C

These items require you to collect and report data on the pollutants discharged for each of your outfalls. Each part of this item addresses a different set of pollutants and must be completed in accordance with the specific instructions for that part. The following general instructions apply to the entire item.

General Instructions

Part A requires you to report at least one analysis for each pollutant listed. Parts B and C require you to report analytical data in two ways. For some pollutants addressed in Parts B and C, if you know or have reason to know that the pollutant is present in your discharge, you may be required to list the pollutant and test (sample and analyze) and report the levels of the pollutants in your discharge. For all other pollutants addressed in Parts B and C, you must list the pollutant if you know or have reason to know that the pollutant is present in the discharge, and either report quantitative data for the pollutant or briefly describe the reasons the pollutant is expected to be discharged. (See specific instructions on the form and below for Parts A through C.) Base your determination that a pollutant is present in or absent from your discharge on your knowledge of your raw materials, material management practices, maintenance chemicals, history of spills and releases, intermediate and final products and byproducts, and any previous analyses known to you of your effluent or similar effluent.

A. Sampling: The collection of the samples for the reported analyses should be supervised by a person experienced in performing sampling of industrial wastewater or storm water discharges. You may contact EPA or your State permitting authority for detailed guidance on sampling techniques and for answers to specific questions. Any specific requirements contained in the applicable analytical methods should be followed for sample containers, sample preservation, holding times, the collection of duplicate samples, etc. The time when you sample should be representative, to the extent feasible, of your treatment system operating properly with no system upsets. Samples should be collected from the center of the flow channel, where turbulence is at a maximum, at a site specified in your present permit, or at any site adequate for the collection of a representative sample.

For pH, temperature, cyanide, total phenois, residual chlorine, oil and grease, and fecal coliform, grab samples taken during the first 30 minutes (or as soon thereafter as practicable) of the discharge must be used (you are not required to analyze a flow-weighted composite for these parameters). For all other pollutants both a grab sample collected during the first 30 minutes (or as soon thereafter as practicable) of the discharge and a flow-weighted composite sample must be analyzed. However, a minimum of one grab sample may be taken for effluents from holding ponds or other impoundments with a retention period of greater than 24 hours.

All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches and at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. Where feasible, the variance in the duration of the event and the total rainfall of the event should not exceed 50 percent from the average or median rainfall event in that area.

A grab sample shall be taken during the first thirty minutes of the discharge (or as soon thereafter as practicable), and a flow-weighted composite shall be taken for the entire event or for the first three hours of the event.

Grab and composite samples are defined as follows:

Grab sample: An individual sample of at least 100 milliliters collected during the first thirty minutes (or as soon thereafter as practicable) of the discharge. This sample is to be analyzed separately from the composite sample.

Flow-weighted Composite sample: A flow-weighted composite sample may be taken with a continuous sampler that proportions the amount of sample collected with the flow rate or as a combination of a minimum of three sample aliquots taken in each hour of discharge for the entire event or for the first three hours of the event, with each aliquot being at least 100 milliliters and collected with a minimum period of fifteen minutes between aliquot collections. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically. Where GC/MS Volatile Organic Analysis (VOA) is required, aliquots must be combined in the laboratory immediately before analysis. Only one analysis for the composite sample is required.

Data from samples taken in the past may be used, provided that:

All data requirements are met;

Sampling was done no more than three years before submission; and

All data are representative of the present discharge.

Among the factors which would cause the data to be unrepresentative are significant changes in production level, changes in raw materials, processes, or final products, and changes in storm water treatment. When the Agency promulgates new analytical methods in 40 CFR Part 136, EPA will provide information as to when you should use the new methods to generate data on your discharges. Of course, the Director may request additional information, including current quantitative data, if they determine it to be necessary to assess your discharges. The Director may allow or establish appropriate site-specific sampling procedures or requirements including sampling locations, the season in which the sampling takes place, the minimum duration between the previous measurable storm event and the storm event sampled, the minimum or maximum level of precipitation required for an appropriate storm event, the form of precipitation sampled (snow melt or rainfall), protocols for collecting samples under 40 CFR Part 136, and additional time for submitting data on a case-by-case basis.

B. Reporting: All levels must be reported as concentration and mass (note: grab samples are reported in terms of concentration). You may report some or all of the required data by attaching separate sheets of paper instead of filling out pages VII-1 and VII-2 if the separate sheets contain all the required information in a format which is constant with pages VII-1 and VII-2 in spacing and identification of pollutants and columns. Use the following abbreviations in the columns headed "Units."

parts per million	lbs	pounds
milligrams per liter	ton	tons (English tons)
parts per billion	mg	milligrams
micrograms per liter	g	grams
kilograms	Т	tonnes (metric tons)
	milligrams per liter parts per billion micrograms per liter	milligrams per liter ton parts per billion mg micrograms per liter g

Concentration

All reporting of values for metals must be in terms of "total recoverable metal," unless:

(1) An applicable, promulg**ated efflue**nt limitation or standard specifies the limitation for the metal in dissolved, valent, or total form; or

Mass

- (2) All approved analytical **methods** for the metal inherently measure only its dissolved form (e.g., hexavalent chromium); or
- (3) The permitting authority has determined that in establishing case-by-case limitations it is necessary to express the limitations on the metal in dissolved, valent, or total form to carry out the provisions of the CWA. If you measure only one grab sample and one flow-weighted composite

sample for a given outfall, complete only the "Maximum Values" columns and insert "1" into the "Number of Storm Events Sampled" column. The permitting authority may require you to conduct additional analyses to further characterize your discharges.

If you measure more than one value for a grab sample or a flow-weighted composite sample for a given outfall and those values are representative of your discharge, you must report them. You must describe your method of testing and data analysis. You also must determine the average of all values within the last year and report the concentration and mass under the "Average Values" columns, and the total number of storm events sampled under the "Number of Storm Events Sampled" columns.

C. Analysis: You must use test methods promulgated in 40 CFR Part 136; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of the pollutant in your discharge provided that you submit a description of the method or a reference to a published method. Your description should include the sample holding time, preservation techniques, and the quality control measures which you used. If you have two or more substantially identical outfalls, you may request permission from your permitting authority to sample and analyze only one outfall and submit the results of the analysis for other substantially identical outfalls. If your request is granted by the permitting authority, on a separate sheet attached to the application form, identify which outfall you did test, and describe why the outfalls which you did not test are substantially identical to the outfall which you did test.

Part VII-A

Part VII-A must be completed by all applicants for all outfalls who must complete Form 2F.

Analyze a grab sample collected during the first thirty minutes (or as soon thereafter as practicable) of the discharge and flow-weighted composite samples for all pollutants in this Part, and report the results except use only grab samples for pH and oil and grease. See discussion in General Instructions to Item VII for definitions of grab sample collected during the first thirty minutes of discharge and flow-weighted composite sample. The "Average Values" column is not compulsory but should be filled out if data are available.

Part VII B

List all pollutants that are limited in an effluent guideline which the facility is subject to (see 40 CFR Subchapter N to determine which pollutants are limited in effluent guidelines) or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPIDES permit). Complete one table for each outfall. See discussion in General instructions to item VII for definitions of grab sample collected during the first thirty minutes (or as soon thereafter as practicable) of discharge and flow-weighted composite sample. The "Average Values" column is not compulsory but should be filled out if data are available.

Analyze a grab sample collected during the first thirty minutes of the discharge and flow-weighted composite samples for all pollutants in this Part, and report the results, except as provided in the General Instructions.

Part VII-C

Part V11-C must be completed by all applicants for all outfalls which discharge storm water associated with industrial activity, or that EPA is evaluating for designation as a significant contributor of pollutants to waters of the United States, or as contributing to a violation of a water quality standard. Use both a grab sample and a composite sample for all pollutants you analyze for in this part except use grab samples for residual chlorine and fecal coliform. The "Average Values" column is not compulsory but should be filled out if data are available. Part C requires you to address the pollutants in Table 2F-2, 2F-3, and 2F-4 for each outfall. Pollutants in each of these Tables are addressed differently.

Table 2F-2: For each outfall, list all pollutants in Table 2F-2 that you know or have reason to believe are discharged (except pollutants previously listed in Part VII-B). If a pollutant is limited in an effluent guideline limitation which the facility is subject to, the pollutant must be analyzed and reported in Part VII-B. If a pollutant in Table 2F-2 is indirectly limited by an effluent guideline limitation through an indicator (e.g., use of TSS as an indicator to control the discharge of iron and aluminum), you must analyze for it and report the data in Part VII-B. For other pollutants listed in Table 2F-2 (those not limited directly or indirectly by an effluent limitation guideline), that you know or have reason to believe are discharged, you must either report quantitative data or briefly describe the reasons the pollutant is expected to be discharged

Table 2F-3: For each outfall, list all pollutants in Table 2F-3 that you know or have reason to believe are discharged. For every pollutant in Table 2F-3 expected to be discharged in concentrations of 10 ppb or greater, you must submit quantitative data. For acrolein, acrylonitrile, 2,4 dinitrophenol, and 2-methyl-4,6 dinitrophenol, you must submit quantitative data if any of these four pollutants is expected to be discharged in concentrations of 100 ppb or greater. For every pollutant expected to be discharged in concentrations less than 10 ppb (or 100 ppb for the four pollutants listed above), then you must either submit quantitative data or briefly describe the reasons the pollutant is expected to be discharged.

Small Business Exemption - If you are a "small business," you are exempt from the reporting requirements for the organic toxic pollutants listed in Table 2F-3. There are two ways in which you can qualify as a small business". If your facility is a coal mine, and if your probable total annual production is less than 100,000 tons per year, you may submit past production data or estimated future production (such as a schedule of estimated total production under 30 CFR 795.14(c)) instead of conducting analyses for the organic toxic pollutants. If your facility is not a coal mine, and if your gross total annual sales for the most recent three years average less than \$100,000 per year (in second quarter 1980 dollars), you may submit sales data for those years instead of conducting analyses for the organic toxic pollutants. The production or sales data must be for the facility which is the source of the discharge. The data should not be limited to production or sales for the process or processes which contribute to the discharge, unless those are the only processes at your facility. For sales data, in situations involving intracorporate transfer of goods and services, the transfer price per unit should approximate market prices for those goods and services as closely as possible. Sales figures for years after 1980 should be indexed to the second quarter of 1980 by using the gross national product price deflator (second quarter of 1980=100). This index is available in National Income and Product Accounts of the United States (Department of Commerce, Bureau of Economic Analysis).

Table 2F-4: For each outfall, list any pollutant in Table 2F-4 that you know or believe to be present in the discharge and explain why you believe it to be present. No analysis is required, but if you have analytical data, you must report them. Note: Under 40 CFR 117.12(a)(2), certain discharges of hazardous substances (listed at 40 CFR 177.21 or 40 CFR 302.4) may be exempted from the requirements of section 311 of CWA, which establishes reporting requirements, civil penalties, and liability for cleanup costs for spills of oil and hazardous substances. A discharge of a particular substance may be exempted if the origin, source, and amount of the discharged substances are identified in the NPDES permit application or in the permit, if the permit contains a requirement for treatment of the discharge, and if the treatment is in place. To apply for an exclusion of the discharge of any hazardous substance from the requirements of section 311, attach additional sheets of paper to your form, setting forth the following information:

- 1. The substance and the amount of each substance which may be discharged.
- 2. The origin and source of the discharge of the substance.
- 3. The treatment which is to be provided for the discharge by;
 - a. An onsite treatment system separate from any treatment system treating your normal discharge;
 - b. A treatment system designed to treat your normal discharge and which is additionally capable of treating the amount of the substance identified under paragraph 1 above; or
 - c. Any combination of the above.

See 40 CFR 117.12(a)(2) and (c), published on August 29, 1979, in 44 FR 50766, or contact your Regional Office (Table I on Form 1, Instructions), for further information on exclusions from section 311.

Part VII-D

If sampling is conducted during more than one storm event, you only need to report the information requested in Part VII-D for the storm event(s) which resulted in any maximum pollutant concentration reported in Part VII-A, VII-B, or VII-C.

Provide flow measurements or estimates of the flow rate, and the total amount of discharge for the storm event(s) sampled, the method of flow measurement, or estimation. Provide the data and duration of the storm event(s) sampled, rainfall measurements, or estimates of the storm event which generated the sampled runoff and the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event.

Part VII-E

List any toxic pollutant listed in Tables 2F-2, 2F-3, or 2F-4 which you currently use or manufacture as an intermediate or final product or byproduct. In addition, if you know or have reason to believe that 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) is discharged or if you use or manufacture 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); then list TCDD. The Director may waive or modify the requirement if you demonstrate that it would be unduly burdensome to identify each toxic pollutant and the Director has adequate information to issue your permit. You may not claim this information as confidential; however, you do not have to distinguish between use or production of the pollutants or list the amounts.

Item VIII

Self explanatory. The permitting authority may ask you to provide additional details after your application is received.

Item X

The Clean Water Act provides for severe penalties for submitting false information on this application form.

Section 309(c)(4) of the Clean Water Act provides that "Any person who knowingly makes any false material statement, representation, or certification in any application, . . . shall upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than 2 years, or by both. If a conviction of such person is for a violation committed after a first conviction of such person under this paragraph, punishment shall be by a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or by both." 40 CFR Part 122.22 requires the certification to be signed as follows:

(A) For a corporation: by a responsible corporate official. For purposes of this section, a responsible corporate official means (i) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000 (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

Note: EPA does not require specific assignments or delegation of authority to responsible corporate officers identified in 122.22(a)(1)(i) The Agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the Director to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate position under 122.22(a)(1)(ii) rather than to specific individuals.

- (B) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- **(C)** For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

Table 2F-1 Codes for Treatment Units

Physical Treatment Processes

1-A 1-B 1-C 1-D 1-E 1-F 1-G 1-H 1-J 1-J 1-K 1-L	Ammonia Stripping Dialysis Diatomaceous Earth Filtration Distillation Electrodialysis Evaporation Flocculation Flotation Foam Fractionation Freezing Gas-Phase Separation Grinding (Comminutors)	1-M 1-N 1-P 1-P 1-R 1-S 1-T 1-V 1-W 1-X	Grit Removal Microstraining Mixing Moving Bed Filters Multimedia Filtration Rapid Sand Filtration Reverse Osmosis (Hyperfiltration) Screening Sedimentation (Setting) Slow Sand Filtration Solvent Extraction Sorption	
Chemical Treatment Processes				
2-A 2-B 2-C 2-D 2-E 2-F	Carbon Adsorption Chemical Oxidation Chemical Precipitation Coagulation Dechlorination Disinfection (Chlorine)	2-G 2-H 2-I 2-J 2-K 2-L	Disinfection (Ozone) Disinfection (Other) Electrochemical Treatment Ion Exchange Neutralization Reduction	
	Biological Treatment			
3-A 3-B 3-C 3-D	Activated Sludge Aerated Lagoons Anaerobic Treatment Nitrification-Denitrification	3-E 3-F 3-G 3-H	Pre-Aeration Spray Irrigation/Land Application Stabilization Ponds Trickling Filtration	
	Other Process	es		
4-A 4-B	Discharge to Surface Water Ocean Discharge Through Outfall	4-C 4-D	Reuse/Recycle of Treated Effluent Underground Injection	
Sludge Treatment and Disposal Processes				
5-A 5-B 5-C 5-E 5-F 5-G 5-H 5-J 5-K 5-L	Aerobic Digestion Anaerobic Digestion Belt Filtration Centrifugation Chemical Conditioning Chlorine Treatment Composting Drying Beds Elutriation Flotation Thickening Freezing Gravity Thickening	5-M 5-N 5-P 5-P 5-R 5-R 5-T 5-V 5-V 5-W	Heat Drying Heat Treatment Incineration Land Application Landfill Pressure Filtration Pyrolysis Sludge Lagoons Vacuum Filtration Vibration Wet Oxidation	

Table 2F-2

Conventional and Nonconventional Pollutants

Bromide Chlorine, Total Residual Color Fecal Coliform Fluoride Nitrate-Nitrite Nitrogen, Total Organic Oil and Grease Phosphorus, Total Radioactivity Sulfate Sulfite Surfactants Aluminum, Total Barium, Total Boron, Total Cobalt Total Iron, Total Magnesium, Total Molybdenum, Total Manganese, Total Tin, Total Titanium, Total

Table 2F-3

Toxic Pollutants

Toxic Pollutants and Total Phenol

Antimony, Total
Arsenic, Total
Beryllium, Total
Cadmium, Total
Chromium, Total

Copper, Total Lead, Total Mercury, Total Nickel, Total Selenium, Total

Silver, Total Thallium, Total Zinc, Total Cyanide, Total Phenols, Total

GC/MS Fraction Volatiles Compounds

Acrolein
Acrylonitrile
Benzene
Bromoform
Carbon Tetra

achloride Chlorobenzene Chlorodibromomethane Chloroethane

2-Chloroethylvinyl Ether

Chloroform

Dichlorobromomethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethylene 1,2-Dichloropropane 1.3-Dichloropropylene Ethylbenzene Methyl Bromide Methyl Chloride Methylene Chloride

1,1,2,2,-Tetrachloroethane Tetrachloroethylene Toluene 1,2-Trans-Dichloroethylene 1,1,1-Trichloroethane 1.1.2-Trichloroethane Trichloroethylene Vinyl Chloride

Acid Compounds

2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
4,6-Dinitro-O-Cresol

2,4-Dinitrophenol 2-Nitrophenol 4-Nitrophenol p-Chloro-M-Cresol

Phenol 2,4,6-Trichlorophenol 2-methyl-4,6 dinitrophenol

Pentachlorophenol

Base/Neutral

Acenaphthene
Acenaphthylene
Anthracene
Benzidìne
Benzo(a)anthracene
Benzo(a)pyrene
3,4-Benzofluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylyhexyl)phthalate
4-Bromophenyl Phenyl Ether
Butylbenzyl Phthalate

2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1.2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3'-Dichlorobenzidine Diethyl Phthalate Dimethyl Phthalate Di-N-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene Di-N-Octyphthalate 1.2-Diphenylhydrazine (as Azobenzene)

Fluroranthene Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Indeno(1,2,3-cd)pyrene Isophorone Napthalene Nitrobenzene N-Nitrosodimethylamine

N-Nitrosodi-N-Propylamine N-Nitrosodiphenylamine Phenanthrene Pvrene

1,2,4-Trichlorobenzene

Pesticides

Aldrin
Alpha-BHC
Beta-BHC
Gamma-BHC
Delta-BHC
Chlordane
4,4'-DDT
4,4'-DDE
4,4'-DDD

Dieldrin Alpha-Endosulfan Beta-Endosulfan Endosulfan Sulfate Endrin Endrin Aldehyde Heptachlor Heptachlor Epoxide PCB-1242

PCB-1254 PCB-1221 PCB-1232 PCB-1248 PGB-1260 PCB-1016 Toxaphene

Table 2F-4

Hazardous Substances

Toxic Pollutant

Asbestos

Hazardous Substances

Acetaldehyde
Allyl alcohol
Allyl chloride
Amyl acetate
Aniline .
Benzonitrile
Benzyl chloride
Butyl acetate
Butylamine
Carbaryl
Carbofuran
Carbon disulfide
Chlorpyrifos
Coumaphos

Cresol Crotonaldehyde

Cyclohexane
2,4-D (2,4-Dichlorophenoxyacetic
acid)
Diazinon
Dicamba
Dichlobenil
Dichlone
2,2-Dichloropropionic acid

Dichlorvos
Diethyl amine
Dimethyl amine

Dinitrobenzene
Diquat
Disulfoton
Diuron
Epichlorohydrin
Ethion
Ethylene diamine
Ethylene dibromide
Formaldehyde
Furfural
Guthion
Isoprene
Isopropanolamine

Kepone Malathion

Kelthane

Mercaptodimethur Methoxychlor

Methyl mercaptan Methyl methacrylate Methyl parathion Mevinphos Mexacarbate Monoethyl amine Monomethyl amine

Naled

Napthenic acid Nitrotoluene Parathion Phenolsulfonate Phosgene Propargite Propylene oxide Pyrethrins Quinoline Resorcinol Stronthium Strychnine

2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)
TDE (Tetrachlorodiphenyl ethane)

2,4,5-TP [2-(2,4,5-Trichlorophenoxy) propanoic acid]
Trichlorofan
Triethylamine

Styrene

Trimethylamine Uranium Vanadium Vinyl acetate Xylene Xylenol Zirconium





Stokes, Dustin A

From: Sent: To: Subject: Attachments:	Griswell, Taylor C Wednesday, February 22, 2017 10:15 AM Stokes, Dustin A RE: Gadsden West River background data (AL0053201) Coosa River Background Data.csv
Dustin,	
	and data for the Coosa River. The data is from Station NEES-2 which is approximately 1.0 miles upstream of the discharge. The location well time of a Swimming classification. If you have any questions or need anything else please let me know.
Thank you,	
Taylor Griswell Water Quality (334) 274-4207	
	y 22, 2017 9:18 AM riswell@adem.alabama.gov> ver background data (AL0053201)
Taylor,	
Is there any background data for the Coosa River at 33.98232, -85.99922? Also, is this location within a 24-hour travel time of a Swimming classification?	
Thanks,	
Dustin	

STATION_II	VISIT_DATE	Hardness mg/I FULL
NEES-2	4/30/1990	, in a raine 35 m. By 5 22
NEES-2	8/14/1990	
NEES-2	5/9/1991	
NEES-2	8/15/1991	
NEES-2	5/7/1992	
NEES-2	8/13/1992	
NEES-2	8/17/1994	47.2
NEES-2	8/30/1995	64.8
NEES-2	8/21/1996	65.6
NEES-2	4/16/1997	43.9
NEES-2	5/14/1997	33.8
NEES-2	6/18/1997	45.5
NEES-2	7/24/1997	49.9
NEES-2	8/12/1997	53.2
NEES-2	9/16/1997	59.7
NEES-2	10/22/1997	57.4
NEES-2	8/11/1998	62.3
NEES-2	8/10/1999	53.7
NEES-2	4/13/2000	36
NEES-2	5/23/2000	60
NEES-2	6/22/2000	78
NEES-2	7/25/2000	70.1
NEES-2	8/24/2000	67.4
NEES-2	9/26/2000	56
NEES-2	10/24/2000	58.9
NEES-2	8/26/2002	36.1
NEES-2	8/17/2004	64.2
NEES-2	4/21/2005	38.5
NEES-2	5/19/2005	
NEES-2	6/23/2005	55
NEES-2	7/21/2005	
NEES-2	8/25/2005	48.1
NEES-2	9/22/2005	
NEES-2	10/20/2005	67.9
NEES-2	8/15/2007	

90th Percentile	67.7
Average	54.9

Stokes, Dustin A

From:

Griswell, Taylor C

Sent:

Thursday, March 23, 2017 9:59 AM

To:

Stokes, Dustin A

Subject:

RE: Gadsden West River WWTP (AL0053201)

It looks like the last CORMIX model used 28° C for the summer. So it would be 28°C/18°C.

Taylor Griswell

Alabama Department of Environmental Management Water Quality Branch (334) 274-4207

From: Stokes, Dustin A

Sent: Thursday, March 23, 2017 9:51 AM

To: Griswell, Taylor C <tcgriswell@adem.alabama.gov>
Subject: RE: Gadsden West River WWTP (AL0053201)

The ambient temps.

From: Griswell, Taylor C

Sent: Thursday, March 23, 2017 9:33 AM

To: Stokes, Dustin A

Subject: RE: Gadsden West River WWTP (AL0053201)

Dustin,

The outfall is not within a 24-hr travel time to a higher use classification. For the temps are you looking at the effluent temps or the ambient temps?

Thank you,

Taylor Griswell

Alabama Department of Environmental Management Water Quality Branch (334) 274-4207

From: Stokes, Dustin A

Sent: Thursday, March 23, 2017 9:10 AM

To: Griswell, Taylor C < tcgriswell@adem.alabama.gov Subject: FW: Gadsden West River WWTP (AL0053201)

Also, the previous Permit had the summer/winter temps at 30°C/20°C. Could you confirm that's correct?

Thanks Dustin

From: Stokes, Dustin A

Sent: Thursday, March 23, 2017 9:00 AM

To: Griswell, Taylor C

Subject: Gadsden West River WWTP (AL0053201)

Taylor,

Is the West River WWTP's outfall to the Coosa River w/in a 24-hr travel time to the S/F&W classification of Big Canoe Creek or the Coosa River? Lat/Long is 33.98232; -85.99922

Thanks,

Dustin Stokes
Alabama Department of Environmental Management
Water Division
Municipal Section
Phone: (334) 271-7808

Email: dastokes@adem.alabama.gov



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